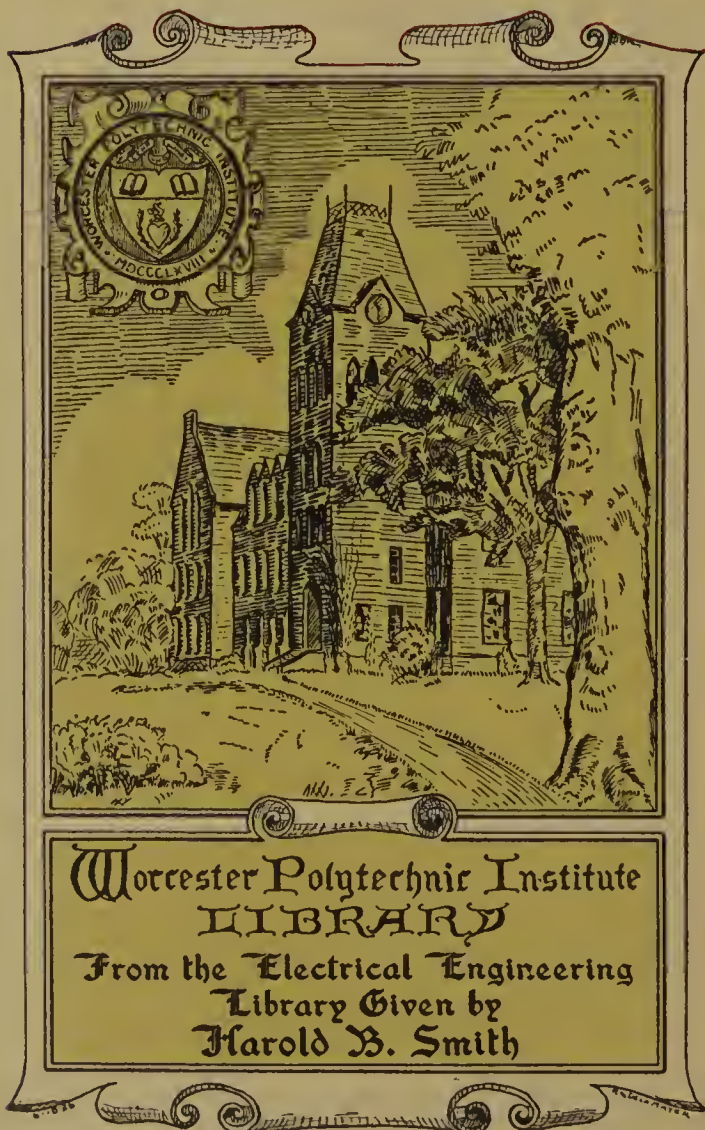


W. P. I.
AFTERMATH
1920





103156



AFTERMATH

CLASS
OF
1920

AFTERMATH

THE AFTERMATH

VOLUME THIRTY, NINETEEN HUNDRED TWENTY

Published by the

CLASS OF 1920

Edited by the

AFTERMATH BOARD

PRINTED BY
THE HEFFERNAN PRESS
SPENCER, MASSACHUSETTS, U. S. A.

—NINETEEN HUNDRED TWENTY—

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH

TO

Charles Joseph Adams

ASSISTANT PROFESSOR OF ENGLISH

BELOVED AS A TEACHER,

HONORED AS A FRIEND,

WE, THE CLASS OF NINETEEN TWENTY

RESPECTFULLY

DEDICATE THIS

VOLUME OF

THE AFTERMATH

NINETEEN HUNDRED TWENTY

Foreword



IN PUBLISHING this volume of The Aftermath, the Board has had two purposes in view: first, to provide for the Class of 1920, by whom this work has been entrusted to them, a lasting reminder of undergraduate years; and secondly, to give all others who chance to see these pages some idea of the things 1920 has striven to do for Tech, and of the extra-curriculum value of Tech to 1920. As the thirtieth volume of the series of Aftermaths, we aim to make this an integral part of Tech history; as an individual volume, we hope it will provide the account of 1920's contribution to that history.

For the many drawings and photographs furnished by members of the lower classes, we hereby express our deep gratitude. For such errors and omissions as may unavoidably have occurred, the Board cheerfully accepts the responsibility. For such excellence as the book may possess, the credit is due the Class of 1920.

Respectfully,

THE BOARD.

AFTERMATH

Table of Contents

	PAGE		PAGE
Foreword	7	1920 as Sophomores	155
1920 Aftermath Board	10	1920 as Juniors	159
Views of the Institute	12	1920 as Seniors	163
Alma Mater	18	Total Registration of 1920	167
The Corporation	19	JUNIORS	173
Charles Greenfill Washburn	20	Drawing by Larson, '22	
THE FACULTY	21	Junior Section	174
Drawn by Swan, '23		SOPHOMORES	181
Ira Nelson Hollis	22	Drawing by Larson, '22	
The Faculty	24	Sophomore Section	182
Faculty Section	28	FRESHMEN	187
Instructors	43	Drawing by Larson, '22	
Former members of the Faculty	51	Freshman Section	188
Graduate Students	52	1920 War Record	193
SENIORS	53	Rope Pull	196
Drawing by Larson, '22		Drawing by Swan, '23	
Senior Section	54	Freshman Banquet	197
Almon Kemp Lincoln	146	Sophomore Hop	198
Permanent Class Officers	149	Half-way-thru	199
1920 as Freshmen	150	Junior Prom	200

AFTERMATH

Table of Contents

(Continued)

	PAGE		PAGE
Tech Show	201	Y. M. C. A.	231
CLASS ATHLETICS	204	Athletic Council	232
Football, Baseball,		Dramatic Association	233
Basketball, Soccer, Track.		Musical Association	234
Carnival	207	Wireless Association	237
Basketball	209	A. S. M. E.	238
Drawing by Reed, '22		Civil Engineering Society	239
Football	213	Sceptical Chymists	240
Drawing by Fiore, '23		A. I. E. E.	241
Baseball	217	Commencement	242
Drawing by Reed, '22		FRATERNITIES	245
Rifle	221	Drawing by Sears, '20	
Drawing by Swan, '23		Interfraternity Council	246
Tennis	223	Fraternity Section	247
Drawing by Swan, '23		Department Sections	291
Track	225		
Cross-country	226	THE END	
Wearers of the "W"	227	Drawing by Swan, '23	
Tech Council	228	Advertisements	
Tech News	229	Drawing by Crane, '20	
Journal	230	Page Border by Shaw, '22	
		Frontispiece by Shaw, '22	

AFTERMATH



Anderson
Editor



Hill
Editor



Sanford
Editor



White
Editor



Cowden
Editor-in-Chief



Blodget
Associate Editor



Marks
Assistant Business
Manager



Hunt
Assistant Advertising
Manager



Arthur
Advertising Manager



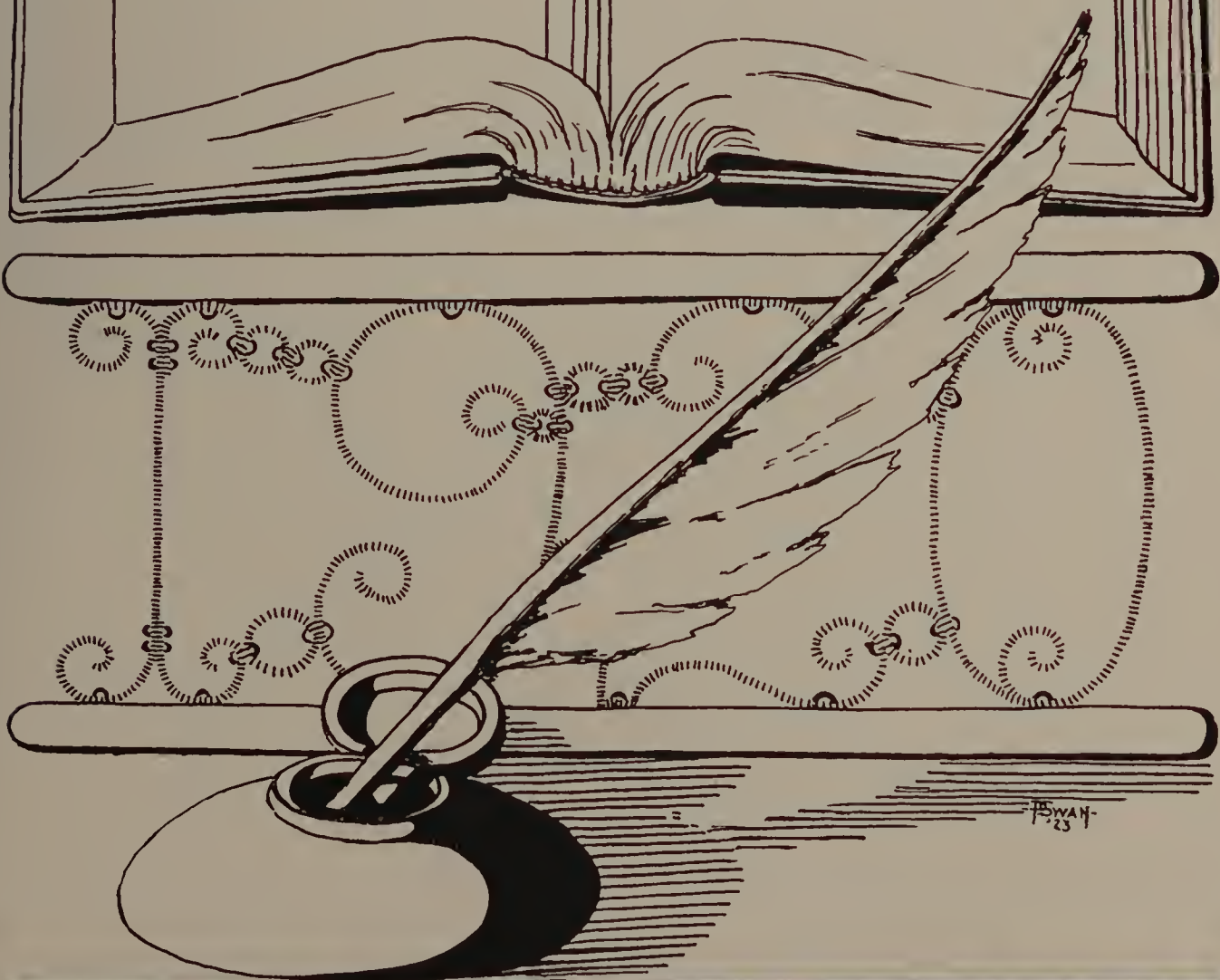
Brooks
Business Manager

Editors.
1920

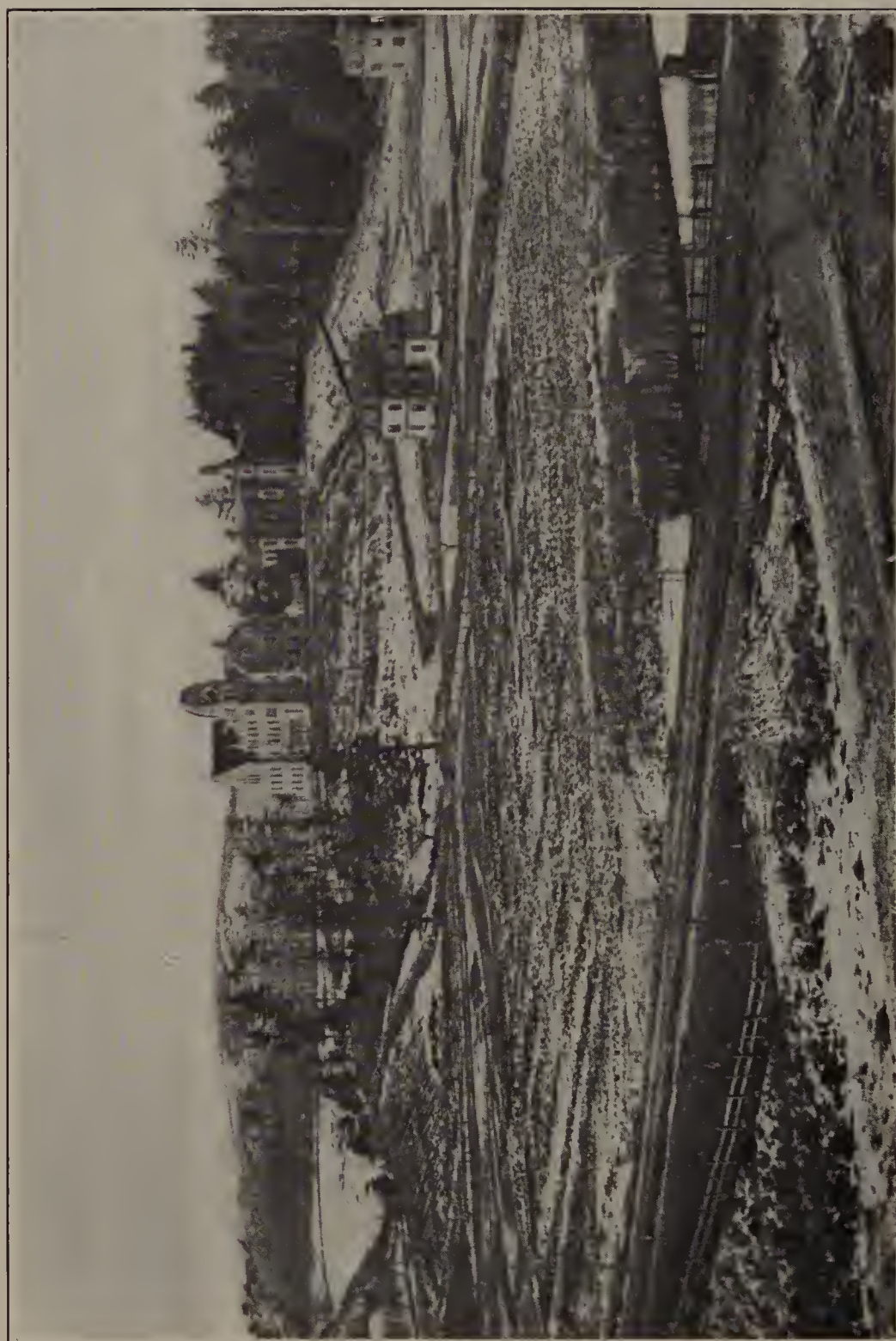
McClowden
Hubert E Brooke
H P Marks
M B Arthur
A. G. Hunt.

Editors.
1920.

A. G. Blodgett
A W Hill
B. Sanford
Geo. Henderson.
G. L. White



AFTERMATH



THE INSTITUTE IN 1871

AFTERMATH



BOYNTON HALL.

AFTERMATH



MECHANICAL ENGINEERING BUILDING



ELECTRICAL ENGINEERING BUILDING

AFTERMATH



SALISBURY LABORATORIES



GYMNASIUM

AFTERMATH



THE PRESIDENT'S HOUSE



SOUTHEAST GATEWAY

AFTERMATH



THE INSTITUTE IN 1920

—NINETEEN HUNDRED TWENTY—

AFTERMATH

12

Alma Mater W.P.I.

WILLARD HEDLUND, '10

1. Dear Worcester Tech our Pol-y-tech, our praises ring to thee, To Al-ma Ma-ter,
2. As years roll on, and changes bring To all things great and small, We still will thee in

good and true We pledge our loy-al-ty Long have we felt thy guid-ing hand, Thy
reverence hold, We'll greet thee one and all, In accents which no one may doubt, In

teachings broad and free, With praises loud in every land, We'll show our love for Thee.
terms so strong and bold The world will know thy worth to us In-ceases man-y fold

REFRAIN

Then here's to Worcester Polytech; Come fel-lows join in our refrain Wave high the

col-ors, crimson and grey, For good old Pol-y tech

AFTERMATH

Corporation

President

HON. CHARLES G. WASHBURN, B. S., A. B.

Secretary

CHARLES BAKER, B. S.

Treasurer

HOMER GAGE, A. M., M. D.

HON. JAMES LOGAN, A. M.

LINCOLN N. KINNICUTT, ESQ.

CHARLES G. STRATTON, B. S.

REV. SHEPHARD KNAPP, D. D.

IRA N. HOLLIS, D. Sc.

GEORGE I. ROCKWOOD, B. S.

REV. WILLIAM R. McNUTT

REV. MAXWELL SAVAGE

VICTOR E. EDWARDS, B. S.

On the part of the State Board of Education

GEORGE I. ALDEN, M. M. E.

Ex-officio

HIS HONOR THE MAYOR, PEHR G. HOLMES

COMMITTEES OF THE CORPORATION

Executive Committee

CHARLES G. WASHBURN,
HOMER GAGE,
JAMES LOGAN,

LINCOLN N. KINNICUTT
GEORGE I. ALDEN
CHARLES BAKER

IRA N. HOLLIS

Finance Committee

CHARLES G. WASHBURN,

LINCOLN N. KINNICUTT

HOMER GAGE

Shop Committee

CHARLES BAKER,
GEORGE I. ALDEN,
IRA N. HOLLIS,

JAMES LOGAN
CHARLES G. STRATTON
GEORGE I. ROCKWOOD

AFTERMATH



Charles Grenfill Washburn

Tech is fortunate in many ways in possessing Mr. Washburn at the head of its Corporation. As a lawyer, manufacturer, and political figure, he has held a national reputation for many years. On the few occasions when we have met him, he has been referred to as Tech's most loyal alumnus.

With his "Gentlemen of the Worcester Polytechnic Institution," uttered as no one else can imitate successfully, his memory will long abide with us. As we come in later years to realize more fully the value of his helping hand in the affairs of the Institute, we shall number ourselves among those who revere the name of Charles Grenfill Washburn.

NINETEEN HUNDRED TWENTY

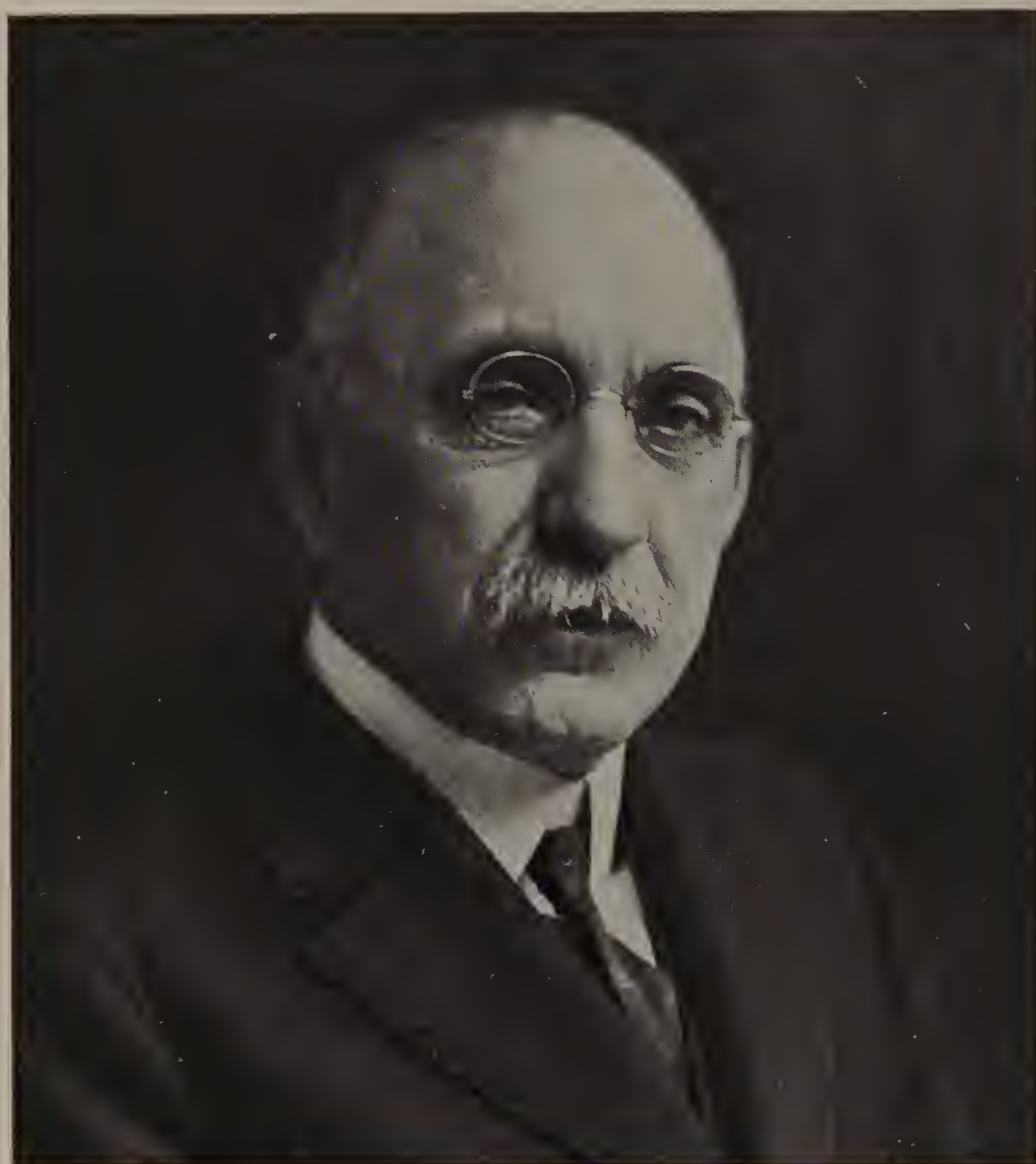
AFTERMATH

FACULTY



—NINETEEN HUNDRED TWENTY—

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH

Ira Nelson Hollis

“Prexy”

Ira Nelson Hollis has always been active in the service of his country. From his entrance into the Annapolis Naval Academy until his resignation from the navy in 1893, he was occupied by his duties under the Naval Department. During this period he filled various positions—as Professor of Marine Engineering at Union College, as a member of the Advisory Board which built the White Squadron, as inspector in the Union Iron Works, as lecturer at the Naval War College, and as a designer of ship machinery. Many side-lights must have been thrown on problems by his early experiences while cruising in the Mediterranean and North Sea and along the African Coast, and later on the U. S. S. Charleston.

For ten years he was Professor of Engineering at Harvard University, where he reorganized the department and conceived and supervised the construction of the Harvard Stadium.

For seven years he has been President of the Institute, successfully carrying on its affairs and ever on the alert to advance its standing. He feels a personal interest in each student and is always ready to give his advice and assistance. Although our attainment of a broader education may be due in large measure to him, it is doubtful whether any of us can appreciate fully his ability.

That his service to his country has not ceased is shown by his membership on the Committee on National Defense and by the frequency with which his views are sought. His brilliance as an engineer was attested by his election to the Presidency of the American Society of Mechanical Engineers. In any position he never loses an opportunity to boost Tech or to serve mankind.

—NINETEEN HUNDRED TWENTY—

AFTERMATH

List of Faculty

IRA NELSON HOLLIS,

11 Boynton Street

President

U. S. Naval Academy, 1878; A. M., (Hon.) Harvard, 1899; L. H. D., Union, 1899; D. Sc., Univ. of Pittsburgh, 1912; Professor of Engineering, Harvard, 1893-1913; President of Worcester Polytechnic Institute, 1913—.

GEORGE HENRY HAYNES,

7 Otsego Road

Professor of Economics and Political Science

A. B., Amherst, 1887; Ph. D., Johns Hopkins, 1893; Instructor in Modern Languages, W. P. I., 1887-88; Mathematics, 1888-89; Modern Languages, 1889-90; Professor of Economics and Political Science, 1893—.

WALTER LEWIS JENNINGS,

18 Boynton Street

Professor of Organic Chemistry

A. B., Harvard, 1889, A. M., 1890, and Ph. D., 1892; Assistant in Chemistry, Harvard, 1890-92; Parker Fellow at Univ. of Berlin, 1893-94; Assistant Professor of Chemistry, W. P. I., 1894-99; Professor of Organic Chemistry, 1900—.

ZELOTES WOOD COOMBS,

32 Richards Street

Professor of English, and Secretary of the Faculty

A. B., Amherst, 1888, and A. M., 1895; Instructor in English, Brooklyn Polytechnic Institute, 1888-89; Univ. of Virginia, 1889-90; Clerk and Assistant in Languages, W. P. I., 1890-92; Instructor in Modern Languages, 1892-95; Assistant Professor, 1895-1901; Professor of French, 1901-03; Modern Languages, 1903-13; Secretary of the faculty, 1910—; Professor of English, 1913—.

HAROLD BABBITT SMITH,

20 Trowbridge Street

Professor of Electrical Engineering

M. E., Cornell, 1891; Adjunct Professor of Electrical Engineering, Arkansas State Univ., 1892-93; Professor of Electrical Engineering, Purdue, 1893-96; W. P. I., 1896— [U. S. Naval Service, Consulting Engineer, February, 1917-March, 1919.]

ALEXANDER WILMER DUFF,

52 Fruit Street

Professor of Physics

B. A., Univ. of New Brunswick, 1884, and Univ. of London, 1887; M. A., Univ. of Edinburgh, 1888, B. Sc., 1892, and D. Sc., 1901; Professor of Physics, Univ. of Madras, 1889-90; Univ. of New Brunswick, 1890-93; Purdue, 1893-99; W. P. I., 1899— [U. S. Air Service, Consulting and Experimental Engineer, January 1918-Aug. 1919].

ARTHUR WILLARD FRENCH,

202 Russell Street

Professor of Civil Engineering

C. E., Dartmouth, 1892; Associate Professor of Civil Engineering, Dartmouth, 1895-98; Professor, W. P. I., 1899—.

WILLIAM WARREN BIRD,

10 Harvard Street

Professor of Mechanical Engineering, and Director of the Washburn Shops

B. S., W. P. I., 1887; Instructor in Mechanical Engineering, W. P. I., 1878-91; Assistant Professor of Steam Engineering, 1894-96; Professor of Mechanical Engineering and Director of the Washburn Shops, 1903—.

AFTERMATH

PERCY ROBERT CARPENTER, Princess Apts., 12 Boynton Street

Professor of Physical Education

A. B., Harvard, 1907; Hitchcock Fellow, Amherst, 1906-09; Assistant Dean, 1908-10; Instructor in Physical Education, 1909-10; Assistant Professor, 1910-11; Associate Professor, 1911-16; Professor of Physical Education, W. P. I., 1916—.

ALTON LINCOLN SMITH, 18 McKinley Road

Professor of Drawing and Machine Design

B. S., W. P. I., 1880, and M. S., 1899; Assistant in Mechanical Engineering Laboratory, W. P. I., 1890-91; Instructor in Mechanical Drawing, 1891-1900; Assistant Professor of Drawing and Machine Design, 1900-06; Professor, 1906—.

JOSEPH OLIVER PHELON, 27 Schussler Road

Professor of Electrical Engineering

B. S., W. P. I., 1887, and B. S. (Electrical Engineering), 1890; M. M. E., Cornell, 1901; Instructor in Physics, W. P. I., 1887-96; Electrical Engineering, 1896-1900; Fellow, Cornell Univ., 1900-01; Assistant Professor of Electrical Engineering, W. P. I., 1901-07; Professor, 1907—.

CHARLES METCALF ALLEN, 8 Dean Street

Professor of Hydraulic Engineering

B. S., W. P. I., 1894, and M. S., 1899; Instructor in Mechanical Engineering, 1894-1902; Assistant Professor of Experimental Engineering, 1902-06; Professor, 1906-09; Professor of Hydraulic Engineering, 1909—.

ARTHUR WOOLSEY EWELL, 90 Park Avenue

Professor of Physics

A. B., Yale, 1897, and Ph. D., 1899; Assistant in Physics, Yale, 1897-99; Instructor, W. P. I., 1900-04; Assistant Professor, 1904-10; Professor, 1910-17; U. S. Air Service, Captain, December, 1917-April, 1919; Major, April, 1919-May, 1919; Professor of Physics, W. P. I., 1919—.

ALBERT SUTTON RICHEY, 9 Regent Street

Professor of Electric Railway Engineering

B. M. E., Purdue, 1894, and E. E., 1908; Assistant Professor of Electric Railway Engineering, W. P. I., 1905-07; Professor, 1907—.

HOWARD CHAPIN IVES, Standish Apartments, Main Street

Professor of Railroad Engineering

Ph. B., Yale, 1898, and C. E., 1900; Instructor in Civil Engineering, W. P. I., 1900-03; Assistant Professor, Univ. of Penn., 1903-06; Assistant Professor of Railroad Engineering, W. P. I., 1906-12; Professor, 1912—.

CARLETON ALLEN READ, 15 Hackfield Road

Professor of Steam Engineering

B. S., M. I. T., 1891; Instructor in Mechanical Engineering, M. I. T., 1891-99; Professor, New Hampshire State College, 1899-1908; Professor of Steam Engineering, W. P. I., 1908—.

ARTHUR DEXTER BUTTERFIELD, 10 Schussler Road

Professor of Mathematics and Geodesy

Assistant to the President

B. S., W. P. I., 1893, and M. S., 1898; A. M., Columbia, 1904; Assistant in Civil Engineering, W. P. I., 1894-98; Instructor in Mathematics, Univ. of Vermont, 1898-1900; Assistant Professor, 1900-04; Professor of Mechanics and Mathematics, 1904-08; Assistant Professor of Mathematics, W. P. I., 1908-10; Professor, 1910-14; Professor of Mathematics and Geodesy, 1914-17; U. S. Air Service, Captain, October, 1917-September, 1918; Major, September 1918-February, 1919; Lt. Colonel, February, 1919-September, 1919; Professor of Mathematics and Geodesy, W. P. I., 1919—.

AFTERMATH

- ROBERT CHAUNCEY SWEETSER, 2 Randall Street
Professor of Analytical Chemistry
 B. S., W. P. I., 1883; Assistant in Chemistry, 1885-88; Instructor, 1888-1900; Assistant Professor, 1909-14; Professor of Analytical Chemistry, 1914—.
- RAYMOND KURTZ MORLEY, 7 Belvidere Avenue
Professor of Mathematics
 A. B., Tufts, 1904, and A. M., 1904; Ph. D., Clark, 1910; Instructor in Mathematics, Univ. of Me., 1904-07; W. P. I., 1910-11; Univ. of Ill., 1911-12; Assistant Professor, W. P. I., 1912-17, Professor, 1917—.
- DANIEL FRANCIS CALHANE, 32 Berkmans Street
Professor of Industrial and Electro-Chemistry
 A. B., Harvard, 1894, A. M., and Ph. D., 1904; Assistant in Chemistry, Harvard, 1899-1903; Instructor, W. P. I., 1903-12; Assistant Professor of Industrial and Electro-Chemistry, 1913-18; Professor, 1918—.
- HOWARD PARKER FAIRFIELD, 1 Dayton Street
Professor of Machine Construction
 Instructor in Machine Design and Shop Work, Case, 1891-99; Machine Construction, W. P. I., 1899-1914; Assistant Professor, 1914-19; Professor, 1919—.
- MORTON MASIUS, 52 Fruit Street
Professor of Physics
 Ph. D., Univ. of Leipzig, 1908; Whiting Fellow, Harvard, 1908-09; Instructor in Physics, W. P. I., 1909-15; Assistant Professor of Physics, W. P. I., 1915-19; Professor, 1919—.
- JOHN BROWN ZINN, 10 Dean Street
Professor of Chemistry
 B. S., Pennsylvania College, 1909; Ph. D., Johns Hopkins Univ., 1913; Instructor in Chemistry, Amherst, 1913-16; Associate Professor, 1916-19; Professor, W. P. I., 1919—.
- CARL DUNHAM KNIGHT, 16 Morningside Road
Assistant Professor of Experimental Electrical Engineering
 B. S., W. P. I., 1903, and E. E., 1908; Instructor in Electrical Engineering, 1904-08; Assistant Professor of Experimental Electrical Engineering, 1908—.
- CLARENCE ALBERT PIERCE, 167 Highland Street
Assistant Professor of Theoretical Electrical Engineering
 B. S., Wesleyan, 1902, and M. S., 1904; Ph. D., Cornell, 1908; Assistant in Physics, Wesleyan, 1902-04; Instructor in Electrical Engineering, Cornell, 1904-11; Assistant Professor, W. P. I., 1911—.
- CHARLES JOSEPH ADAMS, 35 Hudson Street
Assistant Professor of English
 A. B., Amherst, 1896; Instructor in Modern Languages, W. P. I., 1908-13; Assistant Professor of English, 1913—.
- ARTHUR JULIUS KNIGHT, 120 West Street
Assistant Professor of Civil Engineering
Superintendent of Buildings and Grounds
 B. S., W. P. I., 1907; Instructor in Civil Engineering, 1910-16; Assistant Professor of Civil Engineering, 1916—, Superintendent of Buildings and Grounds, 1917—.
- FRANCIS JOSEPH ADAMS, 24 Dean Street
Assistant Professor of Electrical Engineering
 B. S., W. P. I., 1904; Graduate Assistant in Electrical Engineering, W. P. I., 1904-06; Instructor, 1908-17; Assistant Professor of Electrical Engineering, 1917—.

AFTERMATH

FRANCIS WILLIAM ROYS, 132 Elm Street

Assistant Professor of Mechanical Engineering

B. S., W. P. I., 1909, and M. E., 1917; Instructor in Mechanical Engineering, W. P. I., 1910-16; Assistant Professor, 1917—.

SAMUEL JAMES PLIMPTON, 39 Williams Street

(Leave of Absence in London, England)

Assistant Professor of Physics

Ph. B., Yale, 1905, and Ph. D., 1912; Loomis Fellow, Yale, 1905-06; Assistant in Physics, Yale, 1909-12; Instructor, 1912-13; Johns Hopkins, 1913-14; W. P. I., 1914-19; Assistant Professor, 1919—.

RICHARD CARLETON JOSLIN, 39 William Street

Assistant Professor of Modern Languages

A. B. Dartmouth, 1914; A. M., Harvard, 1915; Instructor in Modern Languages, W. P. I., 1915-19; Assistant Professor, 1919—.

CHARLES BUELL HURD, 59 Fruit Street

Instructor in Chemistry

B. S., W. P. I., 1915, and M. S., 1917; Graduate Assistant in Chemistry, 1915-17; Instructor, 1917—.

ARTHUR KELSO INGRAHAM, 18 Hackfeld Road

Instructor in Mechanical Engineering

B. S., W. P. I., 1916; Instructor in Mechanical Engineering, 1916—.

HENRY CLEVELAND SWASEY, 2 Kingsbury Street

Instructor in Physical Education

B. S., Amherst, 1915; Hitchcock Fellow, Amherst, 1915-16; Athletic Director, Fessenden School, 1916-17; Instructor of Physical Education, Adelphi Academy, 1917-18; W. P. I., 1918—.

WALTER ARTHUR PECK, 34 Institute Road

Instructor in Chemistry

A. B., Colgate, 1916; Instructor in Chemistry, Univ. of Vermont, 1916-17; W. P. I., 1918—.

WILLIAM CONRAD HIMMER, 31 William Street

Instructor in Modern Languages

A. B., Harvard, 1917; Instructor in German, Browne & Nichols School, 1917-18; Modern Languages, W. P. I., 1918—.

GLEASON HARVEY MACCULLOUGH, 231 Russell Street

Instructor in Mechanical Engineering

B. S., W. P. I., 1918; Instructor in Mechanical Engineering, 1918—.

ARTHUR BOWES FRIZELL, 38 Harvard Street

Instructor in Mathematics

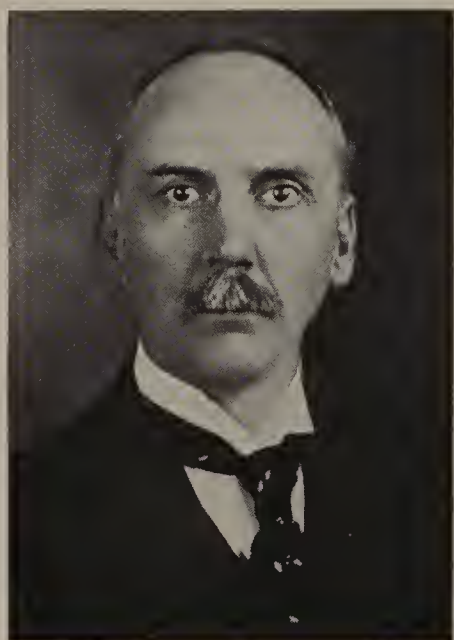
A. B., Harvard, 1893, and M. A., 1909; Ph. D., Univ. of Kansas, 1910; Assistant in Mathematics, Mass. Inst. of Technology, 1888-91; Instructor, Harvard, 1897-1906; Univ. of Kansas, 1909-11; Professor, Midland College, 1908-09; McPherson College, 1912-17; Actuarial Student, Univ. of Michigan, 1917-18; Instructor in Mathematics, W. P. I., 1919—.

AFTERMATH

GEORGE HENRY HAYNES

"Jinny"

ΔKE ΦBK ΣΞ



It was in our Junior year that we first came into contact with "Jinny" in the classroom, and signed our names as subscribers to the Independent. Always will we remember those five-minute quizzes, when we strove to write as much as possible on subjects which we knew absolutely nothing about.

"Jinny's" first act on entering the lecture room is to pull up his drawing stand to its topmost limit. He then arranges an enormous number of papers in an orderly manner and takes attendance. Then perhaps he recalls some bit of humor, and before telling it to the class, he begins to stare vacantly into space, his mustache twitching in a peculiar manner. He succeeded in making his courses interesting, though most of us were prepared to detest them.

"Jinny" has always been an active worker for Tech, and is often seen at social affairs. His work on the Tech Journal is something which every Tech man should appreciate.

WALTER LOUIS JENNINGS

"Hughie" "The Kaiser"

ΣΞ

During Freshman year we saw very little of this gentleman, but when as Sophomores we took Qualitative we realized that many of his nicknames had deep and subtle meanings. His statement: "I shall ask some very searching questions on this examination," proved all too true. During Junior year he led us through the intricate labyrinth of Organic, and in his lectures on the History of Chemistry, during Senior year, we discovered the human side of his nature. As a teacher and lecturer, we can say that he knows his subject and also knows how to present it. The notes we have taken in his lectures would fill a library.



AFTERMATH

ZELOTES WOOD COOMBS

"Coombsie"

AΔΦ ΦBK



"Coombsie" is a man of a remarkable personality, and it is one of our regrets that we have not seen more of him during our last two years. However, he never forgets any of us, for he has a wonderful memory for names and faces. His ability to spot a "Here" coming from an empty seat in lecture is uncanny. Unique are his pet expressions for illustrating errors in rhetoric, such as "turning the corner in Boynton Hall, the bulletin board appears," and his "with commendable regularity" is famous all over the Hill. Many were the exciting debates which he used to conduct, some of them nearly ending in physical violence. But he always managed to restore order by tapping with his pencil on the arm of his chair. "Coombsie" is an ardent supporter of Tech and its activities, and has done much in persuading students to come here.

HAROLD BABBITT SMITH

"H. B."

BΘΠ ΣΞ

Long before we had ever had H. B. in any class, we had heard of his fame and of his history; later when we did finally have him as a teacher, we, too, sounded his praises, for his knowledge of any branch of electrical engineering seemed to be infinite.

Next to his abilities, we remember his courtesy and his interest in the students. He was ready to offer his services, and his encouraging smile, as baffling as the Sphinx's, will always be remembered by any student who has just finished a lecture.

But always there was a word of encouragement and of explanation accompanying that smile, which left the student wiser, or with hopes of becoming wiser, but at the same time took away all idea that he, a prospective engineer, knew much about electrical engineering.

Our last impressions are those of a friend. The knowledge of his pleasing personality coupled with the realization that he is an engineer not cramped by engineering, make him an enviable example.

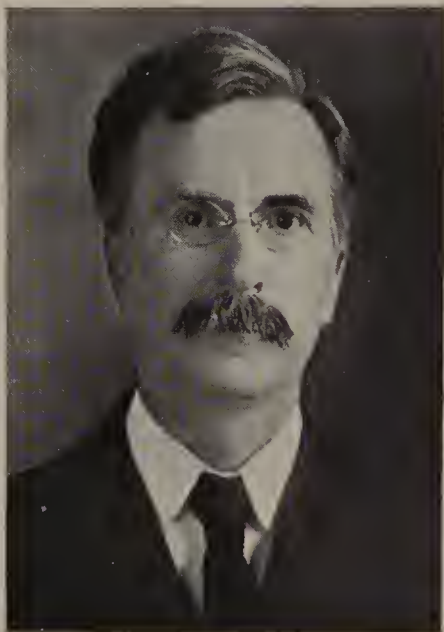


AFTERMATH

ALEXANDER WILMER DUFF

"A. Wilmer"

ΦΣΚ ΣΞ



It was with truly just pride that we welcomed Prof. Duff back to W. P. I., on his return from leave of absence during which he added much to the name of himself and the Institute by his work at aerial bombing research for the Government. To hear him tell of his work and experiences, while away from school, is one of the greatest pleasures that a student may hope to enjoy.

Again we hear the familiar "Eh, what?" and other eccentric expressions of this Scotsman repeated by the Sophomores, and it takes us back to the most interesting lectures of our four years. The memory of our associations with this man will be cherished by everyone of us in the future.

ARTHUR WILLARD FRENCH

"Pa"

The word "Pa" has, among the younger students of civil engineering, a rather awe-inspiring meaning, as a result of the descriptions handed down by the older students. One is surprised, however, upon coming under his guiding hand, to experience a feeling of assurance, for there never was a more thorough and practical teacher of near-graduates than Professor French. His sound judgment and advice, together with his tales of personal experiences, claim the admiration and respect of all his students, no matter how hard they may work in his courses.

He has worked hard himself for our benefit, taking an active interest in our welfare, and we certainly appreciate what he has done for us. His method of teaching is of such a type that the interest of the student is kept up at all times, no matter what the subject may be, and we cannot help feeling that he derives much joy and pleasure from his teaching and numerous other duties.

The 1920 Civils will remember him as one of the biggest factors in their education.



AFTERMATH

WILLIAM WARREN BIRD

"Piggy"

ΣΞ



We had heard much and had seen "quite a bit" of "Piggy," but we did not really come under his personal care until our Senior year. We can now marvel at the amount of practical information that he succeeded in bringing forth in our short stay with him.

Professor Bird has explained to us what such things as mass, twilight zones, dogs, etc., mean. The supplement of practical jokes or puns, even though prepared and tried out many times in advance, has many a time fixed a theory so that it will never be forgotten. We can all feel thankful for the questions so asked that we cannot answer wrong.

How many Senior mechanics can remember how, at certain special conferences, he has so cleverly made us to believe that we were either lazy or incapable.

His congenial spirit, his desire to be of assistance, and also his appreciation of a bit of humor, win the friendship of all who meet him. His vast supply of practical information, and the ability with which he can impart it must command our respect.

PERCY ROBERT CARPENTER

"Percy"

ΣAE

Our class joins the rest of the Institute in rejoicing at the return of this popular member of the Faculty. The Physical Ed. Department has been under "Doc's" efficient management ever since it has existed at the Institute, and it has been brought by him to a degree of usefulness which is our pride now as it was our despair in former years. "Our best loan to France," has been the phrase used to describe what W. P. I. thinks of Professor Carpenter's work with the French army and civilians along the lines of his profession. While we lament the necessity of depriving the French of "Doc's" services, we are glad to welcome him back, and can wish him no better than that he may be as dear to succeeding classes as he is to our own.



AFTERMATH

ALTON LINCOLN SMITH

"Dingtoe"

ΣΞ



It was during our Junior year, that we first met Professor Alton Lincoln Smith, better known to us as "Dingtoe" or "A. L." That is, those of us who were fortunate enough to pass through our Freshman year without encountering academic difficulties, met him first at that time. It is to Professor Smith that the erring Freshman goes when he is in need of a little sprucing up. Those of us who met him at that time, looked upon "Dingtoe" as a rather sombre and sedate sort of an individual, generous with advice but sparing with sympathy for all those below standard.

During our Junior and Senior years, we became more intimately acquainted with Prof. Smith. Kinematics, Machine Design and Crane Design are his specialties. His occasional anecdotes went far

towards enlivening these subjects.

Even though Professor Smith never registered great enthusiasm when passing his opinion on a great invention, the product of a Senior's too vivid imagination, he is one of the instructors whom we will not soon forget. We know him as a man who has always had our best interests at heart, and we know that this interest will continue, even after we have left the Hill.

JOSEPH OLIVER PHELON

"Joe"

ATΩ

TBII

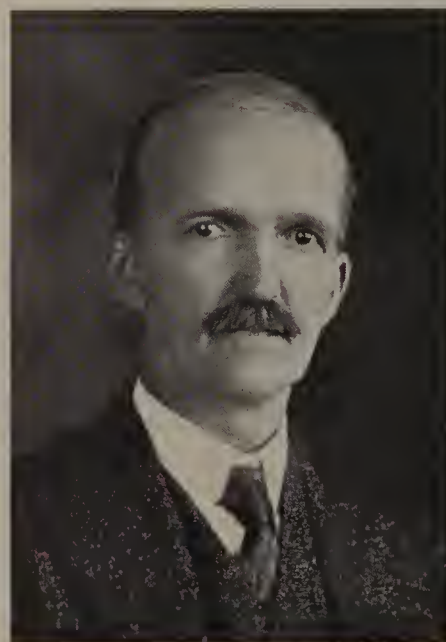
ΣΞ

"Forward, march!" "Column, right!" "Column, left!" "Halt!" "Be seated!" "Sir! all present or accounted for." Thus we first met our friend Joe, in his theater-like classroom, although instead of being wideawake to anything going on, we fell asleep, as though we were in church trying to listen to a dry sermon.

Joe's pet hobby is farming. You can just bet that Joe and Pa have some good old times raising vegetables and supplying the office force with big, juicy, red apples.

Joe does not believe in finals. However, those yellow papers which greeted us irregularly at the beginning of certain hours were fair enough warning that he is on to his job.

After all, we leave behind a true friend, and hope that by the time he is ready to retire from E. E., he will have a self-starter on his flivver, or still better, have purchased an electric.



AFTERMATH

CHARLES METCALF ALLEN

"Charlie"

ΣΑΕ ΤΒΠ ΣΞ



Do you know that Q is equal to AV ? Also, have you ever heard "the amount of water that hits the vane is the amount of water that hits the vane, and having conceived that simple fundamental, let us pass on to the next"? There is a lot of good Hydraulics in that problem. And "Charlie" knew there was and was kind enough to tell us that much about it.

We can't all become "Hydraulicians," and we can't all admire Hydraulics, but we can all find in "Charlie" a nature quite different from that of any other Professor. His ability to apply engineering to the problems of the practical world was well brought out when he took indicator cards of each man on a college crew. His exhibition of the uses of gasoline and the way to eat fire we shall admire and remember.

ARTHUR WOOLSEY EWELL

"Punk"

ΦΒΚ ΣΞ

When we first delved into the mysteries of Physics, we had "Punk" as our patient guide. He always tried to cultivate the plant of knowledge in the barren soil of our minds, and many of us can thank him for the fundamentals of $F=Ma$, which he painstakingly drove home. His lightning jumps from great heights to depths far beyond our comprehension phased us a little at first, but when we became used to it, we all appreciated him and were sorry when he left us just before Midyears to go into the service. Then we heard of him as Major Ewell, in France, where he had charge of some of the bombing equipment for aeroplanes. This year he is with us again on the Hill, and has given us some of the simpler principles of aeronautics and has also shown us a number of interesting pictures of his work over across.



AFTERMATH

ALBERT SUTTON RICHEY

ΦΔΘ ΤΒΠ ΣΞ



A man respected and liked by the senior electricians, feared by the junior electricians, and unknown by the rest of the school. This does not mean that the rest of the school has not heard of Professor Richey, because his work as an electric railway engineer is known all over the country. It means that they cannot get personally acquainted with this man.

In our first class with the professor we found that his rough and stern appearance was a disguise, for his keen sense of humor and his pleasant smile are always with him. Moreover, his interesting lectures and hatred of exams make his course different from most of the courses on the hill. For years to come, Professor Richey and his course will continue to be among the pleasant memories of Tech.

HOWARD CHAPIN IVES

"Reddy"

ΣΞ

"Reddy," who has come each day to face the butts and pranks of the '19-'20 men of the Civil Department, has always brought his smile to class with him, with a good nature to be envied by all of us. It is he who has guided us through a greater part of the second and third years of our course, with much more skill than we had at first realized, helping us to see all we should see through the level and transit, and aiding us in rounding the curves, or speeding up on the tangents of "Railroad Curves" and "Railroad Economics". He has been a man most anxious to help us, ready at any time to do all in his power to make work easier and more enjoyable.

We have all enjoyed the summer camp with him and his immortal dog, "Chow"; we have seen him in his old clothes, and thought of him as one of us. Then we have eaten of his cooking and pronounced it unsurpassable by man or woman chef.

We indeed owe many thanks to "Reddy", and we wish him to feel that as individuals and as a class, he has our gratitude for the work he has done.



AFTERMATH



CARLETON ALLEN READ

"B. A."

ΘX ΣΞ

The name of Professor Read recalls to most of us days spent on the second floor of the M. E. building. From beneath a pair of bifocal glasses with the main focus missing, this gentleman orders the class "t' the board", and we stroll with great doubts and fears as to our preparedness, to the fatal black and white, there to struggle with some explanation as to why entropy should remain constant along a reversible adiabatic expansion, or a similar unwieldy matter of information. As an expounder of the law of thermodynamics, "a la Ennis & Goodenough", Professor Read holds the field alone at Tech, and it is to him that we owe our only too scant knowledge of thermo and the wondrous assortment of ideas given in those courses catalogued as Advanced Steam. Professor Read

has theories of work at Tech which do not naturally agree with "all hands", but to those who really know him, his ways are not so terrible as they seem to the novice. Although we may not have enjoyed his classes, and may have disliked his subject, most of us feel that we have left a friend at Tech in Professor Read.

ARTHUR DEXTER BUTTERFIELD

ATΩ TBII ΣΞ

Who is he, of this coalition class of 1920, '19, '18, '17, the remnants of almost half a decade, that does not know our Professor Butterfield from personal contact or by reputation? Ours he is again, and happy we are to welcome him back after his three years' absence in France, where he "put out" with all the capacity for organization and efficiency that has characterized his work on the Hill and has meant so much for the welfare of W. P. I. In coming back he has brought to us an ever-present reminder that theory and practice go hand in hand, for his secure grasp of the fundamentals he teaches and his ability to adapt himself to new conditions enabled him to put his theory into practice with such success as to bring him wide recognition in that most difficult field, international relations. Col. Butterfield, we're mighty glad you rank as Professor once more!



AFTERMATH



ROBERT CHAUNCEY SWEETSER

"Bobby"

ΣΞ

Bobby must not be judged by first impressions or by simply having him in Gas Analysis, as the sterling qualities for which we like him most, and which give him his great popularity, are not worn on his sleeve.

When we stop to think of it, we have had him, consistently, more than any other "Prof". It was in Sophomore Quantitative that we first took his lectures, and a more patient drumming into us of titration methods and normality of solutions, we cannot imagine. Since then we have had four more courses in which he stood behind the lecture table, and in these we found the same patience coupled with the desire to make what he was saying clear by as many illustrations as possible. So, if his first explanation is not clear, listen—in a

minute he will say it again, in different words. We wish more professors had done that.

We leave future classes to make his acquaintance, knowing that they will find it as profitable as we have, and to Bobby himself, we leave the respect and love of the Class of 1920.

RAYMOND KURZ MORLEY

"Doc"

ΦBK ΣΞ

Snap!! and "Doc" breaks off another piece of chalk, landing it with unerring aim in the very center of the wastebasket. It is that unerring aim that gives the new student an added confidence in "Doc", for what man could hit the center of the wastebasket so accurately from any angle and not know all there is to know about parabolic curves? "Doc" combines with this ability to throw chalk an unfailing humor. His pupils soon learn to know and watch for that sly smile that tells of the coming story.

But great as "Doc's" abilities along these lines may be, he possesses one other that overshadows them all. That is the ability to penetrate any skull, no matter how thick. Most of our Freshman and Sophomore subjects are remembered now in name only but we still retain a small knowledge of the fundamental principles of Calculus that "Doc" taught us so well.



AFTERMATH



DANIEL FRANCIS CALHANE

"Dinny"

ΣΞ

We first met "Dinny" in our course in foreign chemical literature during the S. A. T. C. During this course we decided that good old U. S. A. literature is much better (and easier) than anything that any foreigner ever wrote. Our choice of abstracts was made with this in mind, even though Dr. Calhane reminded us that we ought to take a foreign article occasionally. During this course he sometimes explained some more or less difficult point, but it was not until we started our course in the ramifications of Industrial, under his leadership, that we really learned his wonderful use of the spoken language. However, after hearing about the exceedingly spectacular growth with astounding rapidity of some process as the manifestation of a potentiality which is in a process of flux, and

must be subjected to a fluxing out, we obtained a diminutive conception of "Dinny's" inherent, but dogmatic accumulation of knowledge.

HOWARD PARKER FAIRFIELD

"Pa"

ΣΞ

"Pa" is one who will always be remembered, especially by the Mechanics, who have been under his guidance for two and one-half years.

He is a loyal supporter of Tech and never hesitates to show the advantages of a Tech graduate to the man who has become a bit downhearted. His loyalty does not stop here, however, for the student activities have always received his willing support, especially the student branch of the A. S. M. E. As secretary of the parent association, he has been able to secure many excellent speakers for the branch meetings.

There is not a student on the hill who does not look to Professor Fairfield with admiration, for his advice is of the best; he is never excited; no one ever saw him angry, and his decisions are never hurried.



AFTERMATH

MORTON MASIUS

"Dutchy"

ΣΞ



Probably no man on the Hill is credited with a more thorough knowledge than "Dutchy". His mastery of the subject of Physics is amazing, as is also his ability at instilling science into the minds of the dullest of students. His remarks and mannerisms in the class room are a first-rate cure for any case of blues, and such expressions as: "I shall now call on someone who knows absolutely nothing about the subject," are often quoted. We shall never forget the day that he appeared in class minus his red necktie, nor the mortification which he suffered as a result.

To have been a student under Professor Masius is considered by everyone to have been a great privilege. His ability, his wit, and his modesty have endeared him to the entire class, and 1920

will always respect him as a great teacher, scholar, and gentleman.

JOHN BROWN ZINN

ATΩ ΦBK

Dr. Zinn came to us last Fall, and being the Freshman professor, we have met him but little. However, if casual acquaintance gives any clue, we have missed something in not having a course under him. He has a smile for everyone and greets you with the cosmopolitan "Howdy". He does not believe in eight o'clocks, and is not, therefore, a chemist of the old Tech regime.

The presence of Dr. Zinn has filled a large gap in the Salisbury Laboratories, and we can only hope that he may remain there, spreading the good-naturedness that is most assuredly catching.



AFTERMATH



CARL DUNHAM KNIGHT

"C. D."

TBII ΣΞ

"C. D.," the king of the E. E. lab. and a very genial king, too. He has won the hearts of all of us who have come in contact with him, by his ever-ready smile and pleasant words that have helped to smooth out many of the difficulties when circuit-breakers have refused to stay closed, no matter how much we kicked them around.

In "C. D." we find a man of rare ability. His knowledge of electrical engineering covers a wide field, and it is seldom that we are able to ask him a question that he cannot answer. We will always remember him as one of the best men on the Hill.

CLARENCE ALBERT PIERCE

"Doc"

ΦΝΘ ΣΞ ΦBK

The Electrics first heard "Doc" Pierce's "Good morning, gentlemen" in their Junior year. At that time they learned of one of the falsities of the W. P. I. catalog, for Course No. 4, which was headed, "The Theory and Calculation of A. C. Circuits", was found to consist of a series of lectures on Applied Theology and Psychology. At unexpected times, however, a twenty-minute prelim served to bring us back to earth and show us how little we knew about electricity. "Doc" is an adept in the art of complications, and after covering the blackboard three times with calculus, he will put down an abstract result and tell us how simple a matter it was to derive it. Or, he may stop short with a "What the heck, I've been talking through my hat," and then start over again on another tack.

We all respect him, however, for his knowledge of A. C., and we are glad to have had an opportunity to know him.



AFTERMATH

CHARLES JOSEPH ADAMS

"Pop"

ΘΔΧ



Most of us recall our work under "Pop" as a smooth stretch along a rocky road. He himself often told us that we would never find an easier course than his. When things seemed to be going rather slow, he would enliven us with one of his famous stories. "Pop" never cared whether a man was present at a lecture or not, as long as someone answered to his name. His command of English is marvelous, and when he began to talk about some piece of famous literature, we are afraid much of it was far over our humble heads. He was always willing to have us write dates all over the front of his desk, for it was a great assistance to our memories. However, this was prohibited during the final exam.

"Pop" awoke in us a new interest in the best of literature, and left with us many valuable bits of fatherly advice.

ARTHUR JULIUS KNIGHT

"Shrimp"

ΔΤ ΣΞ

"Shrimp's" duties on the Hill are many and varied. He bosses the numerous Freds and Al-Freds about the Hill; spends the Athletic Association's money, but keeps it out of bankruptcy; and makes the Juniors work "all through the night". But even though he kept us busy, we always knew that he was ready and willing to work with us, for he is a glutton for hard work. Our labors with him never became drudgery, because he was as one of us, always practical, always able to keep us interested in our work.

Never have we seen a man looking more satisfied with life than "Shrimp" when seated at his desk in the "inner sanctum", with a big cigar and plenty of work ahead. We will always remember how, at every athletic contest, he would scan the stands like a veritable Shylock, speculating on the profits for the Athletic Association. A Tech graduate himself, he has an unfailing interest in his Alma Mater, and in the success of her athletic teams.



AFTERMATH



FRANCIS JOSEPH ADAMS

"Rip"

TBII

We did not meet "Rip" till our Junior year, but we soon found in him a veritable encyclopedia upon all phases of transmission and distribution. He was the source of information on inspection trips, answering all questions without evasion or recourse to text books or notes.

In the class room we found him the master of his subject, never failing to work out the problem he gave us, however difficult and complicated, in a thorough and comprehensive manner, and although we may have found the long afternoon periods tiresome, we cannot but appreciate the attention to details and the proper methods of preparing engineering reports which Professor Adams seeks to inculcate in his teachings.

FRANCIS WILLIAM ROYS

"Spider"

ΦΣΚ ΣΞ

Most of us have had good advice from "Spider" at some time during our course. The fact that he demands work in the class room, and not talk, has been quite instrumental in making us more what we should be as students. Again Mr. Roys has done his bit by conducting his laboratory work with us in such a way that it may be understood. This is a characteristic that singles him out to us at once.

Of course, "Spider" has his "off days", which usually come when he assigns a ninety-page section in Materials. It is very evident though that Mr. Roys is easily one of the most helpful and best-liked men in the Mechanical Department. We predict a fine future for him in his profession as a teacher and engineer.



AFTERMATH



SAMUEL JAMES PLIMPTON

"Plimp"

ΣΞ

The name "Plimp" recalls to us some rather "stirring" addresses, which he delivered to us when he took up the Physics lecture work during the absence of Professor Duff. These talks were generally so short as to be well received by most of the students. "Plimp" has, however, been a very agreeable teacher with a kind and easy-going nature which claims the admiration of all of us. His helpful attitude in the laboratory made the work of that course more of a pleasure than a burden, and we thoroughly appreciate his efforts in our behalf.

RICHARD CARLETON JOSLIN

ΦΓΔ

Those of us who remember the years before the War, when as Freshmen we had Mr. Joslin, can conjure up no thoughts which undermine the esteem in which he holds him.

Those of us who come into contact with him today find in him a deep sympathizer with the wails of the student body, yet ever loyal to the profession of which he is a part and the Institution for which he labors so diligently. We hear that he is representing Tech in its dealings with undergraduate schools, and we feel confident that we are well represented.

Prof. Joslin is the most popular member of the Faculty at student social functions, and as head of the Modern Language Department, has the admiration of the student body.



Instructors



JOHN JERNBERG,

522 Salisbury Street

Instructor in Forge Practice, W. P. I., 1882

"Johnny"

Little need be, although lots could be said about Johnny, for his reputation was made years ago and has steadily increased since he came to the Institute in 1882. He is never sarcastic, is always good natured and ready to lend a hand.

It is a well known fact on the Hill that a man need only be able to build his fire in order to pass forge practice, for although perhaps not a blacksmith, all one needs is frequent advice from "Johnny" ultimately to have a finished product.

So it is with respect and admiration that this class will remember the hours spent with him.

BURTON LINWOOD GRAY,

35 Mount Ave., Greendale

Instructor in Foundry Practice, W. P. I., 1910

We became acquainted with Mr. Gray our Sophomore year and since that time we have found him to be one our best friends. All during our course we have found the same old smile awaiting us when we have visited him. He has made us appreciate his course and also spend many a pleasant hour in his company, for we all remember the inspection trips taken. It is with regret that we leave him, but yet we know we will all be welcome when we visit him.

AFTERMATH

HERBERT STEVENSON BUSEY,

310 Park Avenue

Instructor in Mechanical Drawing

Maryland Institute, 1898; Instructor in Mechanical Drawing, Purdue, 1910-12;
Instructor, W. P. I., 1912—.

“Smoky Joe”

Three long years have slipped away since we graduated from Smoky Joe's dominion on the top floor of the M. E. Building, but we shall never forget about those “parallel” lines and that pleasant drawl.

As a Descript teacher Joe was liked even more, as those of us who were fortunate to have him can easily testify. Word has come to us lately that Joe has come unto his own as an author of Descript Notes and Problems. It is too soon to write our recommendation of this first edition, but from what the Freshmen say, we should judge that they are well pleased.

WALTER WILLIAM MONROE,

18 Loring Street

Instructor in Pattern-making, W. P. I., 1912

“Pop”

“Pop” greeted us in our Freshman days when students in the art of pattern making, we were more sculptors than engineers. Since those days, the use of that sticky black fluid with which we covered up our collection of glue, sawdust and putty, has been tabooed. How the later freshmen must have to work! The best thing about the course was that if one could talk gasoline engines or motor boats he was surely by the course. The course was full of exciting moments and if the hours seemed long, one only had to attempt to saw into a board with a nail so placed that there was music in the air. Since Freshmen days we have forgotten all the unpleasant incidents of the course and remember it as a four hour rest from more exacting duties on the hill.

CARLETON DEAN HAIGIS,

Pleasant St., Shrewsbury

Instructor in Physics

B. S., W. P. I., 1915; Instructor in Physics, 1915—.

Mr. Haigis, instructor of Physics, bomb expert, master mechanic, automobile (?) man, married man, and chemist, is one of the most versatile men on the Hill. That he is a thorough instructor of Physics will be testified by many of the undergraduates, who have been obliged to derive every formula used in the solution of a problem. His “Yiddisher Packard,” which is capable of “descending” George Street, is as customary a sight on the Hill as Boynton Hall, although the parts may be widely scattered at times. We expect big things of Mr. Haigis in the scientific world in years to come.

AFTERMATH

CHARLES BUELL HURD,

23 Dover Street

TBII

ΣΞ

Instructor in Chemistry

B. S., W. P. I., 1915, and M. S., 1917; Graduate Assistant in Chemistry, 1915-17.
Instructor, 1917—.

“Charlie”

“Chucky”

We first met “Chucky” as an instructor at the beginning of our Sophomore year. Since then we have had him in some subject every year, and the more we see of him, the better we like him. “Charlie” always gives a man the benefit of a doubt, and in all our dealings with him, he has been both fair and square. His activities are by no means confined to the class-room, for he often appears at social functions on the Hill, and seldom does he come alone.

“Charlie’s” knowledge of theoretical and physical chemistry seems unlimited, and, what is of greater importance, he can make others understand the main points of the subject. Perhaps the fact that he is himself attending classes at Clark, enables him to see our difficulties more readily. In leaving Tech, we surely can do no less than wish him all success in his chosen field of work.

ARTHUR KELSO INGRAHAM,

18 Hackfeld Road

Instructor in Mechanical Engineering

B. S., W. P. I., 1916; Instructor in Mechanical Engineering, 1916—.

“Doc”

“Doc” had a course presented to him this year, for his own amusement. According to the catalogue, it was Gas Engineering. Suffice it to say that we all became well acquainted with all the garage-men in town.

He spent his leisure hours in decorating our reports with his elegant scrawl. He evidently thought the printed forms were incomplete.

“Doc” worked hard to give us the best he had, and took a real interest in the students. We will remember him long after we have left the life at Tech.

HENRY CLEVELAND SWASEY,

Midgley Lane

Instructor in Physical Education

B. S., Amherst, 1915; Hitchcock Fellow, Amherst, 1915-16; Athletic Director, Fessenden School, 1916-17; Instructor of Physical Education, Adelphi Academy, 1917-18; W. P. I., 1918—.

“The Coach” has filled well a difficult position. Left at the same time to carry on unassisted the work of the Physical Education Department and to coach practically all of Tech’s athletes, he has had a man-sized job on his hands. Our championship basketball team and Prof. Carpenter’s “I feel like a fifth wheel” are evidences that the job has been successfully carried.

AFTERMATH

WALTER ARTHUR PECK,

34 Institute Road

Instructor in Chemistry

A. B., Colgate, 1916; Instructor in Chemistry, Univ. of Vermont, 1916-17;
W. P. I., 1918—.

“Pecky”

“Lupe”

ΣN

Pecky can usually be found, smiling genially and covering the ground with enormous strides, on the third floor of the Salisbury Laboratories. You see his “office” is on that floor, and if ever the door happens to be open, don’t fail to drop in and have a chat with him. On chemistry? Oh, not necessarily. Any subject will do for a little pow-wow with him. It is rumored that before taking up teaching, Pecky nearly became a cigar dealer, and there seems to be some truth in the rumor. However, things worked out differently and now, though not strictly a “prof” as yet, he is well on his way toward becoming one. He propounds the mysteries of general chemistry to the Freshmen, and the Sophomore Chemists can all testify to his sound knowledge of the composition and structure of rock, bricks, and stones.

WILLIAM CONRAD HIMMER,

34 Institute Road

Instructor in Modern Languages

A. B., Harvard, 1917; Instructor in German, Browne & Nichols School, 1917-18;
Modern Languages, W. P. I., 1918—.

As a class, we have not had the pleasure of attending one of Mr. Himmer’s semi-occasional travelogues. Nevertheless, we are told by those who know, that travel and the German language are very closely related, and that both are discussed in a very interesting way in these classes.

Our days of modern language study were past before Mr. Himmer came to Tech to teach the Freshmen to “parlez-vous auf Deutsch,” but we do have proof of the results of his eight o’clock meetings, in his success with the lower two classes.

GLEASON HARVEY MACCULLOUGH,

231 Russell Street

Instructor in Mechanical Engineering

B. S., W. P. I., 1918; Instructor in Mechanical Engineering, 1918—.

“Mac”

“Mac” graduated from Tech in 1918 and since that time has been endeavoring to impart his knowledge to those of the under classes. He is a willing worker and a good instructor but at times he loses his patience when he sees the results of the freehand drawing classes.

He has been better known to some of us for his ability in tutoring thermo and one or two of the other courses. He has proven his worth as an instructor, and we shall expect to hear of his future success.

AFTERMATH

ARTHUR BOWES FRIZELL,

38 Harvard Street

Instructor in Mathematics

A. B., Harvard, 1893, and M. A., 1900; Ph. D., Univ. of Kansas, 1910; Assistant in Mathematics, Mass. Inst. of Technology, 1888-91; Instructor, Harvard, 1897-1906; Univ. of Kansas, 1909-11; Professor, Midland College, 1908-09; McPherson College, 1912-17; Actuarial Student, Univ. of Michigan, 1917-18; Instructor in Mathematics, W. P. I., 1919—.

"Frieze"

"Frieze" evidently believes variety is the spice of life for he comes to us with the longest and most imposing list of degrees and former positions that we have ever seen. Having learned all that this country can teach, his places of study even include Rome, Gottingen and Cambridge, and often in class he refers to the superior way they do things "on the continent." There is no doubt that "Frieze" knows math. from A to Z but unfortunately he seems to have difficulty in presenting any of his knowledge to us. His good natured, easy going way makes every class "unprepared hour" and if it were not for the many easy methods of boosting up the "scores" in his book to offset exams, all would be tragedy.

CARL DAVID JOHNSON,

1 Webster Street

Instructor in Physics

A. B., Clark College, 1915; Student, Clark Univ., 1915-18, and 1919—; Assistant in Physical Training, Clark College, 1912-16; Physics, 1915-19; Instructor in Physics, W. P. I., 1919—.

The Physics department added this instructor to its teaching force too late for him to meet our class officially. Whenever seen, he appears to be in a tremendous rush to be somewhere else. He usually has time, however, to exchange a pleasant word with us in our few chance meetings. If his class room abilities are accurately indicated by his pleasant manner, he is a worthy addition to his department.

HAROLD JOSEPH GAY,

4 Einhorn Road

Instructor in Mathematics

A. B., Harvard, 1919; Instructor in Mathematics, W. P. I., 1919—.

This member of the department of mathematics is likewise too recent a graduate from his Alma Mater to claim our official acquaintance. In the seclusion of his class room, he has kept himself from our observation for the most part. Reports from his classes are that he is both efficient and likable as an instructor. His future is assured.

AFTERMATH

CHARLES SCOTT PORTER,

62 Wachusett Street

Instructor in Mathematics

A. B., Amherst, 1919; Instructor in Mathematics, W. P. I., 1919—.

This youthful instructor, but recently graduated from Amherst, would be easily mistaken for a student, were it not for the respectful greetings he receives from the humble Freshmen. Dignity does not look like his most notable characteristic, but there is an air of assurance about him as he strides along the street, that make it seem probable that he can handle classes in the higher mysteries in a fitting manner.

HAROLD WINTHROP DOWS,

76 Birch Street

Instructor in Mechanical Engineering

B. S., W. P. I., 1918; Instructor in Mechanical Engineering, 1919—.

Dows, having left the maternal wing of W. P. I., for a year, decided to return to help guide the faltering footsteps of the underclassmen over the rough, rocky road to a sheepskin. He qualified for the job of guide by winning his own B. S. with the class of 1918.

He has one asset for which the men he instructs give him credit—he is human.

The Sophomores like him because, contrary to the general custom, he only ruins twenty-five per cent of their drawings with red pencil marks as compared with the seventy-five to one hundred per cent ruined by the other instructors. The Seniors enjoy his instruction in lab. because his suggestions are constructive instead of destructive. He helps rather than hinders. The absence of unnecessary sarcasm from his intercourse as an instructor has been a novelty and a pleasant change. We wish Dows the best of success in his work.

RALPH FRANCIS TENNEY,

24 Elbridge Street

Graduate Assistant in Chemistry

B. S., W. P. I., 1918; Graduate Assistant in Chemistry, W. P. I., 1919—.

The Crown Prince was introduced to us as an assistant in the Kaiser's course in Organic Lab. in Jan. 1919. The first thing he did was to remember that although clothed with the dignity of an instructor, he had been there once himself, and so he had remarkable patience with our methods of trying to blow up the building; he has undoubtedly saved us many a bawling out by his timely advice and suggestions. Certain members of the class of 1922 hold him in awe, as they found out last year that he really knew enough chemistry to make them burn the midnight oil with commendable regularity. Their adverse criticism did not seem to cause him much loss of sleep, in fact, he seems to have grown fat on it. His activities have not been confined to the classroom; the Sceptical Chymists Society is much indebted to him for his active interest as secretary and treasurer, and no social event on the Hill would be a complete success without his attendance.

AFTERMATH

EDWIN WALTER BEMIS,

54 Fruit Street

Graduate Assistant in Electrical Engineering

B. S., W. P. I., 1919; Graduate Assistant in Electrical Engineering, W. P. I., 1919—.

TBII ΣΞ

After very creditably completing his regular course last year Ed was not satisfied so he signed up for two years as a Graduate Assistant in Electrical Engineering. Now you will see him down in the E. E. Lab. wearing his long coat, and a pleasant look unless it is after the mechanics have put in a busy afternoon asking him foolish questions and blowing circuit breakers.

He is the faculty adviser of the Wireless Association for which he works with never failing interest and according to the watchman he does not confine his work to union hours. He aims to keep our school abreast of the times in this new branch of Electrical Science.

One of his accomplishments of the first half was the construction of the large Tesla Coil for use in the study of high frequency phenomena. It made a fine joke for the department when the current was turned on for the first time and the coil gave only a weak six inch spark, but soon the wise jesters were to watch with awe a coiling purple flame three feet long arching the gap between the electrodes. He fooled them—it worked.

ALLAN WINSLOW HILL,

51 Institute Road

Student Assistant in Physics

WILLARD ELLIOTT LAWTON,

5 Wesby Street

Student Assistant in Physics

EMILY MAUD HAYNES,

50 Elm Street

Librarian, W. P. I., 1902

GERTRUDE ROGERS RUGG,

35 Somerset Street

Registrar, W. P. I., 1919

MARY COOK KENDALL,

4 Guild Road

Clerk of the Admission Committee, W. P. I., 1919

MARTHA STRONG,

60 Chatham Street

Bookkeeper, W. P. I., 1915

HIRAM WILLIAM PHILLIPS,

30 Paine Street

Lecture Assistant and Clerk, Chemistry Dept., 1918

AFTERMATH

DR. BENJAMIN H. ALTON,

Hotel Bancroft

Medical Advisor, W. P. I., 1919

WASHBURN SHOPS

LOUIS WINDSOR RAWSON,

35 Hudson Street

B. S., W. P. I., 1893; Superintendent of the Washburn Shops, 1903—.

Superintendent of the Washburn Shops

Y. M. C. A.

WILLARD BULLOCK ANTHONY,

51 Highland Street

Assistant Secretary, Central Branch, Y. M. C. A., Brooklyn, 1915-17; Business and Building Secretary, Army Y. M. C. A., Camp Upton, 1917-18; Camp Business Manager, 1918-19; General Secretary, W. P. I., Y. M. C. A., 1919—.

General Secretary, W. P. I., Y. M. C. A.



FORMER MEMBERS OF FACULTY



The following list includes the names of members of the Faculty and of the instruction force of the Institute who, while not now at the Institute, had their part in the training of the members of the Class of 1920, and to whom the Class owes at least the tribute of this passing mention.

Levi Leonard Conant, John E. Sinclair Professor of Mathematics, Died Oct. 11, 1916

Orie William Long, Professor of Modern Languages.

John Harland Nelson, Professor of Applied Mechanics.

Frederick Bonnet, Jr., Professor of Chemistry.

David Lamprey Gallup, Professor of Gas Enginecring.

James Christopher Davis, Assistant Professor of Mechanical Drawing.

Farrington Daniels, Assistant Professor of Theoretical Chemistry.

John Austin Spaulding, Assistant Professor of German.

Walter Dunklee Stearns, Instructor in Experimental Engineering.

Samuel Emory Balcom, Instructor in management of engines and boilers.

Ancel St. John, Instructor in Physics.

Henry Robert Power, Instructor in General Chemistry.

John Chapin Harvey, Instructor in Mechanical Engineering.

Dean Peabody, Jr., Exchange Instructor from M. I. T.

Roe-Merrill Secrist Heffner, Instructor in German.

Frank Christopher Brough, Instructor in Physical Education; died of wounds received in action, July 23, 1918.

Carroll Fuller Merriam, Instructor in Mechanical Engineering.

Paul Thornton Sellers, Instructor in Mathematics.

Herbert Nelson Eaton, Instructor in Civil Engineering.

Harris Earle Whiting, Instructor in Mathematics.

William Wells Denton, Instructor in Mathematics.

Ralph Delano Whitmore, Instructor in Mechanical Engineering.

Leroy Elden Peabody, Instructor in Mathematics.

Dean Jewett Locke, Instructor in Mathematics.

AFTERMATH



GRADUATE STUDENTS

Bemis, Edwin Walter, Holyoke, (E)

B. S., Worcester Polytechnic Institute, 1919.

Bloss, Ernest Kaelble, Worcester, (E)

B. S., Worcester Polytechnic Institute, 1918.

Freeland, Rudolph Harold, Holden, (E)

B. S., Worcester Polytechnic Institute, 1919.

Hubbard, Frederick William, Englewood, N. J., (E)

B. S., Worcester Polytechnic Institute, 1918.

Lamb, Robert Elliott, West Boylston, (E)

B. S., Worcester Polytechnic Institute, 1916.

Newell, Hobart Hallet, Portsmouth, N. H., (E)

B. S., Worcester Polytechnic Institute, 1918.

Tenney, Ralph Francis, Leominster, (Ch.)

B. S., Worcester Polytechnic Institute, 1918.



"Eating out of his hand"



Larson
'22

SENIORS

AFTERMATH



PAUL MEYER ABBOTT

"Red"

OX

Electric

Born August 16, 1897, Terre Haute, Ind.
Prep. Oliver James High School; Entered W. P. I., 1916.

1920 Rifle; Class Rifle Team (1, 2).

In the fall of 1917, "Red" along with many other unfortunates, gave himself up to the tender mercies of the professors on Tech Hill. Since that time he has spent his time securing the maximum number of passing marks with the least work, and to give him credit for his great efforts, he has been quite successful.

Everything went smoothly with him until the war and in March, 1918, "Red" thought he saw his opportunity to save the world by joining the United States Naval Reserve Force. But like the rest of those who joined the same outfit and were assigned to duty at Tech, this consisted of keeping several yards of braid clean and stumbling up Tech Hill 'steen times a day, to do what? Nobody knew.

During his course at Tech, "Red" has always been quiet and unassuming, and as he has not been active in athletics has probably been unknown to many men. He was interested in the rifle club however and gained points for his class in class matches during Sophomore and Junior years.

"Red" has always shown considerable interest in social affairs and young ladies. We wonder how he does it, but somehow they all seem to fall for this tall, red-haired fellow. And talk about sacrifice, he has been known to fast for a week in order to take one to the Worcester. Probably some would wonder where he acquired the ability to keep up a telephone conversation with a fair one for at least a half hour. For those who know him, the answer is easy, for he spent the summer following Freshman year convincing the housewives of Massachusetts that Aluminum Wear is the only suitable utensil for cooking.

In all seriousness however, Red is a good fellow, good natured and generous. As he goes out with the class of 1920 to bigger duties, he has our best wishes for the success that we know that will come to him.



AFTERMATH



CHARLES CLIFDEN AGAR

"Jelly" *"Cy"*

ΣAE Cosmopolitan Club
Chemist

Born December 26, 1889, Holden, Mass.
Prep. Holden High School, Entered W.
P. I., 1916.

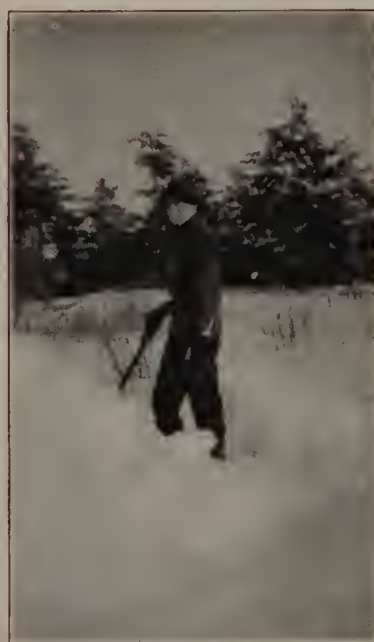
Those of us who took the entrance exams. with "Cy" remember him as a light haired youth in short pants. Indeed it was not until entering Tech that he decided to cover the rest of his then manly legs. As a Freshman "Cy" was well known to all on the Hill as being Tech's youngest student. He also won some fame and a trip to Washington as the champion pig raiser for Worcester County. When our young hero returned from his week at the Capitol his friends noticed a great change.

He was forlorn and mournful and often heaved great sighs, from which comes his present name. We have seldom had the good fortune to see a better case of love-sickness for "Cy" had certainly fallen hard.

During his second year with us Agar began to grow, but not merely physically. He became greatly interested in mineralogy and "sharked" the course to such a degree that Charlie thought it must be too easy. At that time he had nearly decided to enter upon the career of a mineralogist—perhaps he may later—who knows?

Agar has long been devoted to tennis and squash; in fact he was at one time champion of Tech in the latter sport, for he succeeded one day in trimming the Kaiser. His long walks to and from the car line, together with much wood chopping, have made him grow to such an extent that he has outstripped most of us. Lately he has been greatly interested in the manly sport of wrestling, hence another nick name, "Waino."

For all his youthful looks Agar has the start of a real man to him. Some day in the future we expect to hear of a noted chemist whose name will be familiar to us as that of our old class-mate, for "Cy" gives every indication of a most prosperous career.



AFTERMATH



BURTON ROBERT AMSDEN

"Burt"

AXA Skull

Electric

Born August 15, 1894, Athol, Mass.
Prep. Athol High School; Entered W.
P. I., 1915.

"W" Tennis

Y. M. C. A. Friendship Committee (1);
Sophomore Hop Committee (2); Glee
Club (2, 4); Leader (4); Musical Association
Secretary (3); Class President (3);
Tech Council (4); Tennis Team (3, 4);
Manager (3); Captain (4).

"Gosh hang it all! A man doesn't even
have time to think in this place." Never-
theless, Burt always found time to attend
committee meetings, glee club rehearsals, ten-

nis team practice, and other activities that reduce spare time to a negative quantity.

Burt entered with the class of 1919, and for three years remained with that class.
After working for a year in Schenectady, he returned to complete his course, with
the class of 1920. At first, Burt was a quiet individual, and did not attract much
attention. However, he began to realize that studies were not the only things he
had to live for, and he soon made himself one of the most active and popular
men on the hill.

Burt's year at Schenectady, with the General Electric Co., was one of the most
important events of his life. He claims that he had a lot of valuable experience
while he was there. No one doubts that at all, but everyone believes that he
paid for the best part of his experience with his
jewelry.

There is no one on the hill that can write a longer
letter, shut a valve tighter, slam a door harder, or say
hello louder than Burt. If he attempts anything, he
goes at it for all he is worth, whether he is right or
wrong. Judging from the past results, it does not
matter whether Burt follows engineering or astron-
omy, he will be a success, as long as he keeps his
customary pep.



AFTERMATH



ARVID ENGLEBERT ANDERSON

"Andy"

Electric

Born May 26, 1897, Falmouth, Mass.
Prep. Lawrence High School, Entered W.
P. I., 1915.

Orchestra (1, 2, 3, 4); Rope Pull Com-
mittee (3).

In the fall of 1915, Falmouth let one of its solid citizens get away from the fold, and in such a manner "Andy" became one of us. True to his home town training, he has a wealth of Cape Cod humor, and common sense. His habits are Poli's, Strand, his pipe, and the consumption of milk chocolate.

"Andy" soon became respected by the "profs" for his consistent hitting of the exams, and became a favorite with his class.

He has one outstanding characteristic, that of never holding "post mortems" over a quiz. When asked, he doesn't know the result, but the returned paper always gives him a good margin. Whenever a problem is due, the division flocks around him to find out the right answer.

The war separated "Andy" from the Institute at the end of his Junior year, and he showed his ability by earning a commission at Plattsburg. He then assumed the roles of ordnance inspector and a testman at Schenectady. While working for the General Electric Co. he acquired considerable experience and a large stock of questions. In order to get the answers to the questions and to acquire some more theory, he joined hands with the class of 1920.

"Andy" claims that a man going to "Tech" should attempt one thing at a time, namely the curriculum. Therefore, the girls might just as well not exist for all the time that he spends with them or thinking of them. He cannot be called a grind, however, for his musical club record testifies that he has spent a good many hours away from his desk.

In spite of his good nature, he is ready at any time to stand up for his rights and mix in a rough house or argue until a decision is reached.

As he goes from the Institute, we wish him the best of everything and expect great things of him.



AFTERMATH



GEORGE HUGO ANDERSON

"Andy"

AXA

TBII

ΣΞ

Civil

Born July 20, 1897, Worcester, Mass.
Prep. Worcester Classical High School,
Entered W. P. I., 1916.

Class Vice-President (3); Class Soccer
(4); Aftermath Board.

"What did you get for the stress in this member?"

"Seventy kips? Gee, I got ninety. Let's see what 'Andy' got."

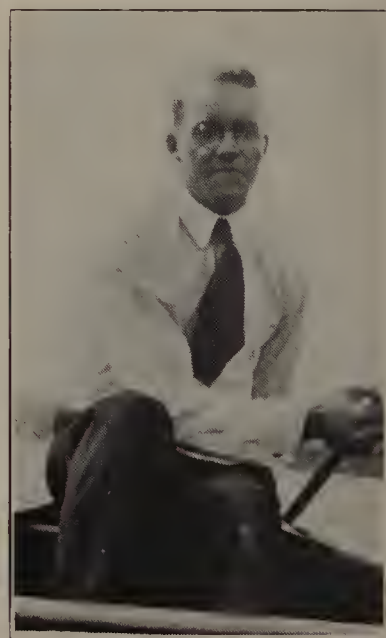
And so it often happened in our ten-minute colloquiums before going to Framed Structures, that we resorted to "Andy's" work to set us right after a night of wasted effort.

We seldom appealed in vain, either, for the

times were rare indeed when he did not have everything done as it should be. Quiet, unassuming, and as steady as the tides, he was always ready to do his best to help in anything.

But in spite of this good record, he never seemed to let his preps interfere with his social activities. On nights when the rest of us were anticipating an all-night session with our two or three preps, "Andy" would often announce that he was going to hurry home and do his studying before supper, because he had a date that night. It is said that he has been wearing out the same hall carpet for a long time now, but as we said before, he was always a very steady chap. Knowing all these things, it seems quite natural that he should be an ardent lover of the gentle art of canoeing. They say that it was for him, and a few other near-sighted sailors, that the old causeway at Lake Quinsigamond was replaced by a bridge with wide spans.

The classroom is not the only place where George has excelled because of his head-work. He used this same head to good advantage on our championship soccer team. Successful in many things that he has undertaken at Tech, we know that this habit will continue after graduation.



AFTERMATH



MALCOLM BOYD ARTHUR

"Mal" "Red"

AXA Skull

Civil

Born February 24, 1899, Worcester, Mass.
Prep. Worcester South High School, En-
tered W. P. I., 1916.

"W" Football

Mandolin Club (1, 2, 4); Football (1, 2,
3, 4); Sophomore Hop Committee Chair-
man (2); Carnival Committee (3); Class
Treasurer (2); Athletic Association Vice-
President (3); President (4); Tech Coun-
cil Treasurer (3); President (4); Class
President (3, 4); Aftermath Board, Ad-
vertising Manager; Toastmaster, Senior
Banquet; Permanent President.

"Mal" is truly one of our most active and popular men. Endowed with many sterling qualities, he has come to the top in practically all of his many activities. His faithful and conscientious hard work for his school and his class is appreciated by everybody, and his classmates have shown their appreciation of his ability by electing him to the highest office a student may attain.

His activities are wide in scope, ranging from music to athletics. He has been a valuable member of the Mandolin Club, and in football his qualities of leadership have again asserted themselves in his playing at quarterback. His love for this game is well known to the fellows, fortunate enough to be intimately acquainted with him. The way in which "Mal" has pursued his studies, however, along with his many activities is really a great credit to him.

In his first year or two at Tech, "Mal" kept aloof from the companionship of women, but since his talents have turned to dancing he has enamored several of the gentler souls, so that now his mail consists largely of tinted and sweet-scented stationery. It has often been said that "redheads" make the best husbands, however, and probably our hero will prove no exception to this rule.

His sincerety and modesty in all his endeavors have made an enviable place for him in the esteem of his classmates and teachers. His success in the bigger things of life to come is certainly assured.



AFTERMATH



STANLEY WILLIAM ARTHUR

"Stan"

AXA

Electric

Born January 30, 1897, Worcester, Mass.
Prep. Worcester South High School, Entered W. P. I., 1914.

Tech Show (1); Football (3).

Who is this coming down the walk with such a slow and measured walk? Now we can see those tortoise-shelled glasses above the ever-present wide grin, but, alas, the mustache has disappeared.

Yes, of course it is "Stan" Arthur. "Stan" is one of our South High boys and was formerly a member of the class of 1918, but in the summer of '17 he decided to forsake the Institute and become one of Uncle Sam's

Engineers. After nearly two years, most of which was spent in the A. E. F., he decided that army life was not the life for him and wisely decided to return and become one of our illustrious class.

The Electrics remember him by the speed and success he had with those Senior designs, and look askance at him when he speaks of continuing in that work. Whether he does or not, hardly matters, for his perseverance and ability will bring success to him in any work.

Although he is a hard worker he is far from believing in spending all of his time in this way. Often we hear him say to "Grim," "Where are we going to-night?" However, we who know him wonder when both he and "Grim" are going to enjoy an evening when they are out together.

The matter of his future undertakings, whether he continues to delve into the intricacies of design or not, makes little difference, his cleverness and pleasant manner will be a great asset for the future. We are all hoping that the success which we know the life after leaving the "Hill" holds for him will not be long in becoming his.



AFTERMATH



BRYAN WOODWARD BARKER

"Slip"

ΣΑΕ

Electric

Born August 12, 1894.

Prep. Concord High School; Melrose High School; Entered W. P. I., 1917.

"Slip" doesn't really belong in the class of 1920 since the navy took from his class of '18, we all think that he should have a place in this book although he has not been with us the last half of this year. Although we all know that "Slip's" motto is "Work before pleasure" he always took an active interest in school activities.

"Slip" has a sort of failing for week end parties and he has been known to attend two Junior Proms and a house party all inside of two weeks and not the same girl twice. Who said that "Slip" wasn't a heart-breaker? But we all know that there is always one a little better than the rest and "Slip" has one of those too. Isn't that right Bryan?

He always appreciated the M. E. department with its ten hour reports as much as the rest of the electrics, but with that enormous pipe of his beat us all out studying until 2 A. M. But it would take more than a good pipe to ever fathom some of "Doc" Pierce's problems and "Slip" will agree that we are sure.

Bryan is now employed by the Riley Stoker Co., of Worcester, Mass., and working as hard as ever. We are sure that he will make good there and will always be a conscientious worker wherever he is. We are all sorry that Bryan could not finish the year with us but feel that this will not hold him back any in his work for years to come.



AFTERMATH



ARTHUR WHITING BASSETT

"Art"

ΔT

Mechanic

Born January 4, 1897, Heath, Mass.
Prep. Greenfield High School, Entered
W. P. I., 1915.

Vice-President (1919), (3); Aftermath
Board (1919); Class Basketball (2, 3);
Captain (4); Class Soccer (2, 3); Relay
(1, 2, 3); Rope Pull Team (1, 2).

It was a lucky day for the 1920 class when "Art" decided to "Join the Navy and see the World," for the class, on his return to school this fall, gained one of 19's best. Whether you meet him in the morning or at night, whether going to or away from class, he is always the same. In fact, the only possible

chance to catch him a bit subdued is the first day after some vacation. And then you can't blame him for who wouldn't be blue after "fitting" the way we know he has.

He possesses a very convincing way that he acquired at the Naval Steam School at Hoboken where he spent most of his time trying to convince the instructors that he really did get something from "B. A.'s" classes. But his one outstanding quality is his neat and systematic method of keeping notes. Every one on the Hill envies his note book for it is in just such order, and there is nothing mentioned of which he has no record in his book.

He has been a hard worker for the class in athletics as well as in academic work for he has represented them well in both soccer and basketball, piloting the latter class team his Senior year, when his consistent floor work was made most evident.

Summed up, he is one of those natural "good fellows" who fit equally well with Profs or fellow students, and one we are all proud to call "class mate."



AFTERMATH



FREDERICK WILLIAM BAUDER

"Fritzy" "Jazz" "Kip"

ΦΣΚ

Chemist

Born July 24, 1897, Newark, N. J.
Prep. Barringer High School. South Side
High School, Newark, N. J.
Entered W. P. I., 1916.

"W" 1920 Basketball

Musical Association Vice-President (3);
President (4); Glee Club Pianist (1);
Mandolin Club (1); Orchestra (1, 2);
Director (3, 4); Basketball (2, 3); As-
sistant Manager (3); Manager (4); Car-
nival Committee (4); Composer Tech
Show Music (1).

Fritzy! Hey Fritzy! Who ever heard of Fritzy anyhow! Well, did you ever go to a Tech concert or dance, or a basketball game? If you did, then know that this little product of Newark is full of pep and can make jazz music so that you can't keep your feet still. In his Freshman year he used to keep time for us in Percy's gym classes, and since that time he has been at the helm at about every dance. At one time he even endeavored to organize a Tech band, but owing to the abundance of material that appeared upon the scene of action he was unable to do so.

His ability is not limited to any one thing. In studies, he is a bear, for during his Senior year he was one of the shining lights in the "Kaiser's" course. He was almost persuaded to write a treatise on this one subject but owing to a decided lack of time, he has put it off for a couple of years. So, a few years from now, we may see the boys studying a book on the back of which will be written: "Bauder's Organic Chemistry."

Fritzy played on the championship interclass basketball team when we were Freshmen. Not satisfied with that, he was manager of Tech's championship varsity team of 1919-20.

He is very popular on the hill, but he is certainly a wonder with the ladies. It is with profound regret, however, that we announce that Fritzy is ineligible for he has made his choice and is now only waiting the time. From all reports we consider him to be a mighty lucky fellow.

His ability to be successful at Tech predicts a brilliant future and it is with the best wishes of everyone that we bid farewell to old "Jazz" himself.



AFTERMATH



LAURENCE GUY BEAN

"Laurie" "Beany"

ATΩ

Mechanic

Born November 12, 1895, Indianapolis,
Indiana.

Prep. Worcester English High School.
Entered W. P. I., 1915.

Glee Club (1, 2, 4); Y. M. C. A. Cabinet
(1, 2, 4).

Larry is another one of old 1919 men who came back to take his chance with 1920. With his tinted complexion and ready good nature he does not fail to make friends with all those about him. He also believes in making some allowance for those who have shortcomings.

When "B. A." speaks of the large experience some members of the class have in Marine Practice he always looks at Larry. Then we find out that Larry served as a commissioned officer in the Coast Guard branch of the Navy during the war. But he left his ship, which was breaking ice off New Foundland, to come back to W. P. I., to break coal in the boiler house.

It is rumored that Larry used to attend all the society events in New London while he was a cadet at the Academy; if so he does not carry any of the ill effects now and seems quite content with Glee Club concerts, basketball games, and an occasional social call.

We now bid good-bye to another man who is bound to be successful in business if he shows the regard for his business associates that he has for his classmates.



AFTERMATH



CARL HAROLD BERG

"Pinkie"

ΦΣΚ

Civil

Born March 20, 1898, Worcester, Mass.
Prep. Worcester English High School,
Entered W. P. I., 1915.

"1920" Soccer

Class Soccer (2, 4); Class Rifle (4); Half
Way Thru Committee (3); C. E. Society
Treasurer (3).

When the name of Pinkie Berg is mentioned, we instinctively think of a good-natured smile and a cheerful word. Pinkie is one of the trio that furnish the vivid spots in the otherwise somber coloring of the Civil drafting room, and is noted for his melodious tenor voice, which has helped us to while away

many an afternoon of Design. Apparently the trials and tribulations of the C. E. course have left him unruffled, for we have never seen him anything but calm and serene. He has the happy faculty of never letting anything worry him in the least.

Harold is one of the native sons of Worcester who has been successful in his encounter with Tech. He was a member of the Class of 1919, but like many others, lost a year from school in service, and elected to return this year for his degree.

Although not a star athlete, he is a firm supporter of athletics and besides being out for football is a member of the class soccer team. A pleasant companion, a good student with a clear sense of comparative values, he is one of the men who help keep Tech on a level basis. If straight thinking, sturdy character, and a willingness to work are any criterion of a man's future success in life, we may venture to predict for Harold Berg the success which he deserves.



AFTERMATH



RAYMOND DOWLEY BISHOP

"Bish"

ΣΑΕ

Electric

Born March 24, 1898, Brattleboro, Vt.
Prep. Brattleboro High School, Entered
W. P. I., 1916.

R. Dowley was imported from the fair valley of the Connecticut River to our midst shortly after the days of his infancy. It seems that living beside this water power in the days of his childhood produced the desire to put it to use through the medium of electricity. Naturally he is an "Electric" and keenly interested in the uses of the juice. His four years at Tech have not changed his desire one bit, and though he disagreed with some of "Doc." Pierce's prescriptions he is hard on the trail.

"Bish" is hail-fellow-well-met and certainly does enjoy the social activities of the Hill. Just mention dance or banquet and he is there with both feet to help everyone else enjoy the occasion with his joyous personality and everready wit. There are few able to match wits with him and come out on top. The fair sex of Worcester have claimed his attention at times and do you wonder after looking at that picture.

Minor athletic events have had his hearty support, and he has featured several times in class track, soccer, etc. Which reminds us of the well intended newspaper report stating that Bishop, after playing for three years on class and fraternity basketball teams had his signal called in this game, and he came through and shot his first basket.

Bishop is a man from the word go. He is always ready to give a helping hand to those around him and we know that when his signal is called, as it surely will be, in the days to come, he will come through and we wish him the best of success.



AFTERMATH



GEORGE BARRELL BLAISDELL

"George"

TBII

Born March 25, 1898, York, Maine
Prep. York Village High School, Entered W. P. I., 1916.

Y. M. C. A. Religious Committee Director (3).

In George, we have the farmer boy turned engineer. Early in life, he took the notion that an engineering career was much more to be preferred than that of a tiller of the soil and from that time his main ambition was to discover what made the wheels go. He hails from York Corner, "down Maine way" but it takes George to give the name of that town its proper twang. During his high school course in the above named town, George made

a trip to Washington, D. C., this trip being a favorite topic of conversation with him.

We shall remember George as a quiet, unobtrusive sort of individual, with a large capacity for hard work and lots of it. His problems were always ready on time, and consequently, he was usually in a position to lend a helping hand which he did very agreeably. George's capacity for work, however, once led him into bad graces of the "powers that be." Forgetting that machinery must have at least one and one-half day's of rest each week, even though that is not necessary for human beings, he proceeded to operate the forge shop for his own benefit one Saturday afternoon. Prof. Bird realizing that this was not according to the best shop management laws, jumped on Georgie who now knows that "Piggy" is as heavy as he looks.

But George didn't believe in all work and no play. He was always to be seen at the social functions in the gymnasium and elsewhere. He also followed up all church socials, at which he claims he met many "nice girls." Judging from appearances, we would say that George's idea of a "nice" girl was a blonde with a decided red tinge.



AFTERMATH



ALBERT GERRY BLODGETT

"Gerry"

AXA TBH ΣΞ Skull

Mechanic

Born January 17, 1899, Burlington, Vt. Prep. Lyndon Institute, Entered W. P. I., 1916.

Class Track (1, 2); Rope Pull Committee (3); Journal Assistant Business Manager (1, 2); Half Way Thru Committee (3); Student Branch A. S. M. E. Treasurer (4); Class Secretary (4); Aftermath Board, Associate Editor.

Who is this gob coming down the street? Oh, yes, it is Gerry. This is a quiet ? ? sort of an individual who decided to join our ranks in the fall of 1916, waiting a year after graduating from "prep" school, on account

of his youth, before registering in this institution of learning. He soon showed the "Profs" what he was made of and after establishing this record never had to worry about his work. Combined with his wonderful reasoning power and ability to remember anything worth while and to concentrate on any subject when he so desires, he has established one of the highest records in his class. He "preps" for his finals by taking in a show every day during exam week and they're surely a great aid to him as he always pulls a high mark.

But this is not the only light in which he shines. Have you ever been at any of the social events during the year without seeing him there with a fair damsel? This has been more of an attraction to him at times, it seems, than his course on the Hill. At least he has spent more time worrying about whom he was going out with next, than he ever did in getting his next day's lesson. His career in this line really began at the "Soph" Hop and ever since then he has been adding to his long list of females.

But putting all fooling aside, "Gerry" is one of the best engineers the institute has turned out and will surely be a success in whatever line he takes up. He has the best wishes of the class in his life's work.



AFTERMATH



HAROLD DANFORTH BOUTELLE

"Bout"

Cosmopolitan Club

Chemist

Born August 15, 1898, Winchendon, Mass.
Prep. Murdock School, Entered W. P. I.,
1916.

"1920" Class Soccer (4).

Hearing that Tech's courses were hard to complete, Harold actually studied during his first month here. But his books began to show the strain, so he tried preserving them by not using them, and finding that his marks were not affected, he started that glide which has lasted ever since.

Although not a consistent plugger, he obtained good results with little difficulty and his standing was always well above the danger zone. His faculty for retaining facts, figures, etc., after once hearing them was remarkable; he remembered indefinitely details which others forgot soon after hearing them. Because of that fact and his ability to "dope" things out, he was much sought after, especially by those who knew him best, when some difficulty was met with in the course of study.

Outside of his division he might be thought of as a quiet individual. Social activities he did not indulge in to any great extent. But the course at Poli's was passed easily, as were similar ones at the other theatres. He was a close follower of all varsity and class athletics, having a perfect attendance at all home games. As a member of the class soccer team, during Senior year, he helped win the inter-class championship.

No fooling or fun in the laboratory would be complete if "Mutt," as those at the same bench with him in Organic Lab. called him, did not have a hand in it. During his stay at Tech he developed a deadly aim with that well known weapon of the chemist—the wash bottle.

No fooling or fun in the laboratory would be complete if "Mutt," as those at the same bench with him in Organic Lab. called him, did not have a hand in it. During his stay at Tech he developed a deadly aim with that well known weapon of the chemist—the wash bottle.

His reticence towards girls might well be attributed to bashfulness; at least his actions in Worcester would indicate that such was the case, since the fairer sex were left strictly alone. But the letters which came regularly from "somewhere in Winchendon" offer a very plausible explanation for his actions.

On leaving Tech, Harold certainly carries with him the best wishes of his class and we feel sure that whatever his line of endeavor, he will very soon reach that goal—success.



AFTERMATH



STUART WALLACE BRIGGS

"Stu" "Lena"

ΦΓΔ

Civil

Born October 20, 1897, Worcester, Mass. Prep. Worcester South High School, Entered W. P. I., 1915.

"1919" Football (1, 2); Relay (1); Football (2); Tech Show (1, 2).

Stuart came to Tech from South High in 1915. After two successful years at Tech, he stayed out for a year to work and recuperate. He tells us of interesting experiences which he enjoyed while at Mechanicsville, N. Y.

During his first two years he took an active part in athletics, playing in some of the games on the varsity football team in his second

year. "Stew" was a tennis star at high school, but he has not tried out for the varsity at Tech.

The Junior year seemed to be a "Jonah" for "Lena" whether it was due to his absence of a year or to the S. A. T. C., no one knows. However, this year he broke all records and passed off the five conditions that he acquired in his third year. This is some record, and it is seldom equalled.

"Reddy" and "Stew" seem to be able to find something to argue about every once in a while in Water Supply. "Reddy" says that some men in the class carry chips on their shoulders, and we could make a few good guesses as to whom he means.

"Stew" is not as fast as some of our Civil sharks, but given time he gets there and that is really what counts. Briggs spurned the idea of using a slide-rule until his last year and we often wondered how he ever managed to do the mass of computations in the old way, unless it was by some supernatural power. Finally however the increased amount of work forced him to condescend to the "slip-stick" habit.

Altogether, "Stew" is a popular and well-liked member of the class of 1920 and our best wishes go with him when he steps out into the structural world.



AFTERMATH



HERBERT EUCLID BROOKS

"Johnnie Walker"

ΣΑΕ Skull

Mechanic

Born May 12, 1898, Gardner, Mass.
Prep. Gardner High School; Entered W.
P. I., 1916.

Tech News (2, 3, 4); Subscription Man-
ager (2); Business Manager (3); Junior
Marshall; Junior Prom Committee; Class
Vice-President (3, 4); Aftermath Board,
Business Manager.

Often in looking back over the years spent
at Tech, we wonder just what we have learned
or accomplished. This can not be the case
with "Johnny Walker" Brooks, however, for
he has learned and accomplished much.

The first thing he learned was that he could
"get by" Tech with only a little studying and that the time gained could be de-
voted to school activities. As a result he became much interested in the social
activities on the Hill and at other colleges. These social events robbed Herbert
of considerable sleep which he found necessary to make up in classes. "Doc"
seemed to delight in breaking up Johnny's naps by asking the embarrassing ques-
tion, "Brooks, can you repeat what I just said?"

Johnny's failing is his inability to get up in time to make classes, regardless
of whether they are at eight or ten. He was never present at a roll call but was
never marked absent for he always sent up word that he was coming. About three
minutes after the bell he would stroll in with his watch in his hand and with that
expression indicating that he knew school time was
wrong, and his watch must be right.

To those who are acquainted with Herbert, he is
known as a true friend and a "real" fellow. We
know that his personality will carry him forward to
a successful future.



AFTERMATH



RICHARD BROWN

"Dick"

ΘX

Electric

Born January 11, 1895.

Prep. Worcester North and English High Schools; Entered W. P. I., 1917, (February).

Glee Club (4).

Richard Brown, alias "Dick", also known by other names which would not look well here, is an enlarged young man who blossomed into prominence at Tech in the fall of 1917.

"Dick" displayed such remarkable ability in his structural course at Dartmouth, that he decided to come to W. P. I., confident of the fact that he could secure enough electrical

knowledge to wire the buildings he was going to erect.

"Ability" should have been "Dick's" first name. He is short, but can master a bigger cigar than any man on the Hill. He studied hard, so it appeared; at least the faculty believed it, for all their heads were turned to such an extent that "Dick" completed his Senior work before he completed his Junior work. Perhaps the most remarkable of all his abilities was that of escaping the drag-net of college widows, vamps, etc. Unscathed, he still remains true to the girl of his high-school days. But his ability was just as pronounced in other lines. With high aspirations, "Dick" set out to make the Glee Club. Little can we appreciate the powerful operatic basso voice with which he helped make our glee club such a tremendous success.

One thing we never shall forget. That is "Dick's" ever smiling countenance and pleasant disposition. Never was there a more optimistic person. Powers of persuasion are also at his command. This we can verify because he made "Spider" Roys believe he was worth 100% in mechanics. Impossible as this may seem, those that know him best say that he could persuade an Irishman to eat meat on Friday.

Balancing "Dick's" many traits and manifold abilities, we predict that his future will be a creditable success. Resourceful, persuasive and with a personality that has appealed to us all, we look forward to him as becoming a true leader among men.



AFTERMATH



ROGER HOWARD BRYANT

TBII

Electric

Born July 10, 1898, Wareham, Mass.
Prep. Bartlett High School, Webster,
Mass.; Entered W. P. I., 1916.

Wireless Association, Vice-President (3);
President (4).

From the wilds of Webster back in 1916 came Roger, a youth as quiet and unsuspecting as a lamb, but he was one of the few who came with a goodly supply of gray matter. During his Freshman year he specialized in "gym," and he exhibited to many his fine form in the "strong man" bar work.

However, as time went on he picked out, and adhered closely to, several specialties, which may be classified in order of importance as follows,—studies, society, wireless, and tennis. He never spent much time on the first, but nevertheless, they were always prepared, for Roger, you must know, was always a shark,—he never doubted it for a minute, nor did anyone else.

As for society, well, we should smile, a regular pew holder at the Strand, and women,—Oh Roger, how could you do so? There were not enough moonlight evenings for him so he had to take her to walk with him on his way to his eight o'clock classes. Although he has smiled at many of them, we suspect Roger has concentrated his affections nearly all in one place, and we should not be surprised at any minute to learn that his efforts have not been in vain.

Under him the Wireless Club has fully recovered from the shock of the war, and he has contributed unselfishly to the advancement of that branch of Tech activities. He has always been ready to help the other fellows with their problems, but usually only to the extent of giving advice somewhat as follows: "You poor fish, use your bean."

Nevertheless, Roger commands the respect and envy of his classmates and we are sure that he will soon rise to a dizzy height in the profession of Electrical Engineering.





FREDERICK RAYMOND BUTLER

"Fred"

TBII

Chemist

Born May 26, 1899, Worcester, Mass.
Prep. Worcester North High School; Entered W. P. I., 1916.

If, anywhere on the top floor of the Salisbury lab., you see a tall man wearing a perforated frock and carrying a wash bottle of large capacity you should at once recognize the North High graduate, "Mr. Butler," making an organic preparation.

"Butt" while not a fast runner, has a set of powerful lungs, as is often demonstrated when they start pouring torrents of water from the wash bottle into the eyes and ears of his less fortunate fellow chemists. In

this way the Organic lab. was often flooded so that to cross from one end to the other was impossible for those that could not swim and even making "the Department" believe a terrific fire had been extinguished without his notice.

The fair sex seems to be very attractive to "Freddie", especially its members of waist dimensions large enough to satisfy the long arms of our "giant chemist."

All who know "Freddie" have been impressed with his excessive avarice for knowledge, especially of antimony and arsenic stains and his classmates all wish him success.



AFTERMATH



LESLIE CONWELL BYER

"Les"

AXA

TBII

ΣΞ

Electric

Born August 10, 1898, Hagerstown, Md.
Prep. Westfield High School; Entered
W. P. I., 1916.

Commencement Committee.

"Les" is a quiet, studious looking fellow from Westfield, Mass., where, they say, in High School, he used to take seven subjects with only six periods in which to recite them, so stayed after school to finish them up. When he came to Tech he was right in training, and began to show us what a real student could do. No, don't think he is a grind,—far from it,—it just comes natural. After finding that Tech wasn't so hard as it might

be, he looked for some other form of amusement, and took up shows as a sideline. So if you want to know the right answer to the A. C. problem or the best show in town, his opinion is that of authority. Though "Les" never went out for track, he has a great way of covering the ground, developed, no doubt, by continual pilgrimages down town. One spring he started out to run a few miles every morning at six, but he didn't keep it up long. We never heard why he discontinued the practice; perhaps it interfered with his going out the night before. As to wine, women and song, he believes in moderation, and although we have on numerous occasions seen him in company with one of the fair sex, there is no doubt that he will still be two laps ahead of Cupid when he leaves Tech.

"Les" is an engineer and a mighty good fellow, and there is no doubt that he will be successful in whatever line he takes up. We all wish him the best of good fortune in his profession.



AFTERMATH



DONALD TREAT CANFIELD

"Doc"

ΦΓΔ Skull

Electric

Born September 25, 1895, Brooklyn, N.Y.
Prep. Westboro High School; Entered
W. P. I., 1915.

"W", "1919" Football "W" Football
Football (1, 2, 4); Captain Rope Pull (2);
Class Treasurer (2); Tech News (3, 4);
A. I. E. E. President (4); Commence-
ment Committee; Sciotheric Orator.

"Doc" prepared himself for Tech at West-
boro, a small town not far from here, al-
though at times he may think it is quite far
away. At that time he had both homes in
the town but now he claims a visiting home
in Florida. We also know that he used to

have a winter residence in the upper part of the state. Just ask him to explain a
certain chapel up there; he knows at least what it looks like, inside and out, but
why notice any more, eh Doc?

He has always been a football player since his prep school days and one of
Tech's best men in this sport. Doc has been a hard worker on the Hill too, and
to think he got credit in a course that he never took, (wish we all could get credit
for military work, how did you do do it Doc?) But that is not all, he did a whole
year's work in a half year. To anyone who knows him this will be a mild sur-
prise. Along with all his work, he has always been ready to work for Tech, and
the Electrics all know him as a warm and obliging friend.

At this early date, Doc is all set for next year and we know that someone has a
brainy, steady, and determined worker who will be an addition to their firm.
This will be his first position but we
feel sure that he will have another
one very soon after that. However,
he, as well as many others, can handle
both of them very well.



AFTERMATH



WARREN ELLSWORTH COPELAND

"Cope"

Civil

Born January 11, 1898, Worcester, Mass.
Prep. Worcester South High School; En-
tered W. P. I., 1915.
Glee Club (1, 2, 3).

"Cope", one of Worcester's own, is as hard a worker as can claim the distinction of having passed the Civil course here at Tech. He came back to us in the middle of his last year, after a half year's work at the Eastern Bridge Company where he seems to have made an impression. His fondness for that company has drawn him there on regular weekly visits since he left. We wonder what the attraction is, for it surely cannot be an interest in the regular employees of that company, as

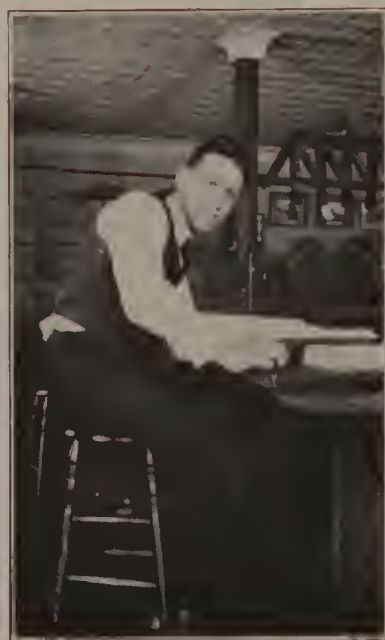
Warren has long since chosen the girl of girls. However, we must not get too personal, as such a trait is very disagreeable to our hero.

"Cope" had a little misfortune at the Railroad Camp at Chaffin, which it seems kept him from graduating with his original class of 1919. It was in one of those playful moods, in which all good civils are wont to indulge while at "Reddy's" camp, that Warren fell in such an awkward manner as to break his collar-bone. However, this misfortune did not discourage Copeland in the least, for he came back to school determined to overcome all obstacles, and our civils have all wondered at the bearing which he has maintained under the strain.

We recall many amusing incidents relative to "Cope's" honest endeavors to forge a chain for "Johnny" in our Junior year. We give him credit, however, for the three links which he finally did turn out, even though the center one was of twine.

"Cope's" chief pastime, while not plugging at structures or thesis, seems to have been in kidding "Reddy," whom he almost outclassed when the two got their heads together in a conversational mood. However, through this intimacy, Warren has managed to keep us well posted on our progress in Water Supply.

When Copeland gets down in Pennsylvania in his chosen work, structural engineering, we may safely predict that it will not be long before his ability, together with his good cheer and love for hard work, will make an enviable place for him in the engineering profession.



AFTERMATH



MERLE CHANDLER COWDEN

"Wheat"

ΔΤ Skull

Chemist

Born February 20, 1898, Woonsocket, R.I.
Prep. Webster and New Bedford High
Schools; Entered W. P. I., 1915.

"1920" Soccer

Tech News Association (1, 2, 3, 4); News
Editor (2); Associate Editor (3); Man-
aging Editor (3); Advisory Editor (4);
Secretary (3); Vice-President (2); Presi-
dent (3); Journal Assistant Editor (2,
3); Editor-in-Chief; Editor-in-Chief Af-
termath (1919); Editor-in-Chief After-
math (1920); Basketball Manager; Class
Soccer (2, 3, 4); Tech Carnival Commit-
tee (3); Interfraternity Council (2, 3);
Commencement Committee; Class Sec-
retary (4); Permanent Secretary.

Just why this man chose the town of Woonsocket to be born in, and then moved to Webster and later to New Bedford will always remain a mystery.

Five long years ago he was found on Tech hill, wandering around with that benign countenance, with which he is blessed, and it was on this first day that he was nicknamed "the Wheat." However, he soon outgrew his wheat-like ways and the people of Webster knew him only as a "city feller" after six months.

"Wheat" has been one who has found time to do more things outside of school than most of us. He has been on both the *Tech News* and the *Journal* staffs, and was elected Editor-in-Chief of the 1919 Aftermath.

Then came a call for service, and even Hughie could not change his mind about what he wanted to do. So immediately after the close of Junior year he enlisted in the U. S. F. A. At the time of the signing of the armistice, he had worked up to batallion sergeant major and was at Camp Taylor in line for a commission.

The opening of the present school year found him back here with a pipe in his mouth and the determination to pass organic in his head. He passed that as he will any proposition that he may ever undertake. He was elected Editor-in-Chief of the 1920 Aftermath and it is to him that our thanks for this volume are due.

As "Wheat" goes from school into the world we all feel assured that his future will be a bright one.





HOWARD PARTRIDGE CRANE

"Deac"

ΔT

Mechanic

Born October 9, 1895, Rutland, Vt.
Prep. Rutland (Vt.) High School; Entered W. P. I., 1914.

"W" Rifle

Tech News (1, 2, 3); News Editor (1);
Subscription Manager (2); Business Manager (3);
Rope Pull Committee (3);
Wireless Association (1, 2); Rifle Club (2, 3); Secretary (2); Captain (3).

"Deac" comes from the town of Rutland, in the middle of the Green Mountain state, from which so many Tech men have wandered.

Crane did not let the regular curriculum take up all of his time, for he soon became interested in the *Tech News*, and was elected to the staff in his Freshman year. He was subscription manager during his second year, and business manager in his third year. During his term of office, the News was put on its feet, financially, for after its period of indebtedness, "Deac" succeeded in giving the paper a firm financial foundation.

The Rifle team also attracted his attention, and during the second and third years he qualified at nearly the top of the list in all of the matches.

While "Deac" has not hit the bullseye of scholarship, he has worked hard. Like many of us, he has had to prove his knowledge of a subject by passing one or two of those "vacation" exams.

During the war he was connected with the American St. Metal Prod. Corp., of New Jersey, a munitions plant, where he acted as assistant to the Plant Engineer. Several jobs like these he has held which have helped much in giving Crane an idea of the practical side of Engineering.

"H. P.'s" time at Tech was not always taken up by work, for some of his evenings were spent in more comfortable places than at the desk, and we must admit that he is ahead of most of us, for he was married to Miss Pauline Lindquist in August 1918, at Philadelphia.

It seems that the practical experience which Crane has had, combined with the knowledge obtained at Tech, promise a good fortune for him.



AFTERMATH



KENNETH WARD CROSSMAN

"Kelley"

OX

Mechanic

Born July 14, 1896, Berlin, Mass.
Prep. Hudson High School; Entered W.
P. I., 1915.

"1919" Football Track Soccer
Track (2, 3); Cross Country (2); Class
Soccer (1, 2, 3); Football (2, 4).

"Kelley" arrived at Tech in the fall of 1915. Previous to that time he had been burning up the great metropolis of Berlin,—Massachusetts not Germany.

"Kelley's" stature is such that to find him in a crowd is a rather difficult matter. In spite of this handicap, however, he soon let us know that he was here. He has a good

record in track and last fall he fooled them all by his football playing.

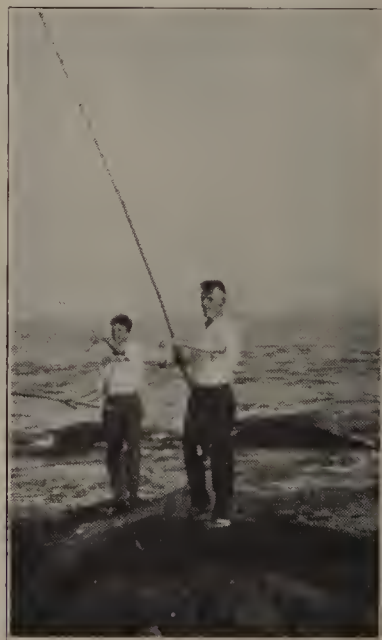
When war was declared, "Kelley" decided he would be good looking in a pair of boots so he proceeded to annex a commission in the field artillery. We'll say he had his boots alright.

"Kelley" has shown himself to be a good student. During his stay at The Institute, he has acquitted himself creditably. He is a good worker and gets what he goes after. He has had troubles like the rest of us, but has always come out on top.

Although he has been busy here, he has not slighted the fair sex. In fact he has attended to this all important phase of Tech life with much vigor. The result has been that his calling list has been reduced to one number. He applies himself very attentively to that one however.

It would not do to close without mentioning his latest acquisition. This consists of a peculiar growth where mustaches are usually worn. It certainly adds distinction to his appearance.

We could not wish to meet a better friend or a harder worker than "Kelley" and we certainly wish him all the success which we know will be his.



AFTERMATH



RAYMOND FRANCIS DYER

"Ray"

Cosmopolitan Club Newman Club

Chemist

Born August 10, 1898, Clinton, Mass.
Prep. Clinton High School; Entered W.
P. I., 1916.

"1920" Soccer

Class Soccer (2, 4); Mandolin Club (4).

The casual observer might be excused for failing to notice "Ray" in a crowd, owing to the fact that he stopped growing before reaching his full height. However, this trifling error on the part of Nature seems to have had no detrimental effect on this good-natured chemist. "Ray" originated in the nearby town of Clinton, and so it is only natural that in seeking a larger field of en-

deavor his steps should be directed toward Boynton Hill, where he has decided to gain fame in the realm of Chemistry.

However, all his activities have not been confined to those included in the curriculum. Like all good chemists he has had a very creditable attendance record at Poli's Lecture Courses from which he has perhaps absorbed more than he has from some other lectures. During his Junior year, Ray decided that he would like to be a musician and so he began to extort horrible sounds from a mandolin. His latent ability immediately developed and as a result he became a member of the Mandolin Club during his Senior year. He also played on the championship soccer team during his Sophomore and Senior years.

Ray has been particularly interested in studying the working of the feminine mind, but at last account reported that the riddle still remained unsolved. The subjects of this study have been many and varied, but judging by outward appearances none as yet have succeeded in making a lasting impression. However, outward appearances are sometimes misleading.

In leaving the Institute Ray carries with him the best wishes of a large number of friends, none of whom will be greatly surprised when reports of his achievements begin to drift in from the industrial world.



AFTERMATH



CARL GODFRED ENGLUND

TBII

Civil

Born July 16, 1898, Worcester, Mass.
Prep. Worcester North High School; Entered W. P. I., 1915.
Glee Club (4).

If it is a question of design, we would all like to consult Carl, as he surely has the earmarks of a real structural designer. Possibly it was his long experience with the Norton Company that gave him such a command of Carnegie, the slip stick, and the ruling pen, but we believe he must be just naturally that way.

He must have received a good preparation at North High, as he has been one of the sharks of the nineteen class since the trig,

of our Freshman year, while railroad curves, astronomy, and least squares caused him no worry.

Carl was among those who so heriocrally fought the battle of Fortress Monroe, (Va.), and he could never quite decide why they attached the word Comfort to the name Old Point. He returned to Tech last fall and immediately became famous for two things: tennis and his voice. When the courts were not covered with snow he could be seen gracefully wielding his racquet almost any afternoon after design, and became a star at the game.

Englund has favored the glee club with his strong bass voice this year, but as the musical clubs have a limited number of concerts and rehearsals, he has had an opportunity to favor the civil department with frequent solos. No doubt his daily lunch of an apple, a bottle of milk and other substantial items are beneficial for the voice, and we hope that he will soon have his recent selections published with all his other "Drafting-Room-Ditties."

Carl surely has our very best wishes for a successful engineering career, and if he continues with the ability and pep that he has shown at Tech there can be no doubt of an early and noteworthy success.



AFTERMATH



NORMAN CHARLES FIRTH

ATΩ

Electric

Born Sept. 30, 1895; Westfield, Mass. Prep. Worcester South High School; Entered W. P. I., 1914.

Tech News Association (1, 2, 3, 4); News Editor (1); Associate Editor (2); Advisory Editor (4); Editor-in-Chief (3); President (3); Y. M. C. A. Secretary (2); Treasurer (3); Junior Marshall, Class (1918); Treasurer (3); Tech Show Assistant Advertising Manager (2); Advertising Manager (3); General Manager (4).

While still in High school, Norman established his reputation as a leader and a worker, and when he came to Tech, he still upheld

it. It takes a man of real ability to do work in all the activities that he has been connected with, and still do good class work. With all his work, he never appeared hurried or rushed and always had a pleasant word for everybody. The ability to do a multitude of tasks well, and still find time to do more is one of the greatest assets a man can have. At the end of his Junior year he was called to the colors and served for nearly two years. He was mobilized at Camp Devens, was sent to an O. T. C. and secured a commission. Then he did his bit by conducting a troupe of "Shines" thru the last act of the "Big Show." In the fall of 1919 he returned to Tech with the rest of the "heroes", to accept one of the diplomas the Faculty are giving away this year.

"All great men have their faults." Yes, and our Norman is no exception. What will he do, when that great "Prohibit Everything Party" gets control of this great free country and puts such evils as candy eating and dancing under the ban. Every Electric remembers his trips to the "Rat Hole" from Transmission, when he would return with a contented smile on his lips and we would shake our heads sorrowfully and say, "He's at it again, poor fellow."

He did his bit supporting the lighter and perhaps more interesting activities on the Hill also; but have you noticed, it was always with the same "Lady Fair."

I am afraid the noble brotherhood of Bachelors will soon lose another member.



AFTERMATH



WILLIAM THOMAS FLYNN

"Bill"

Newman Club

Electric

Born April 24, 1898, Chicopee, Mass.
Prep. Chicopee High School; Entered W.
P. I., 1916.

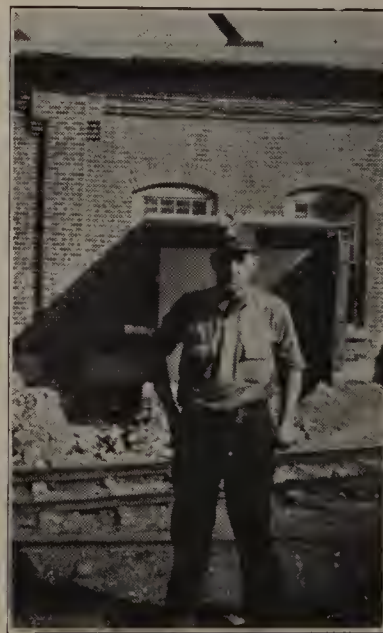
"Going out tonight, Bill?"

"Sure, why not? Only two preps. tomorrow." So Bill goes out, and yet when time for recitation comes around he is there with the goods, and continues to hold down his job with Worcester Tech. Where does he go? Or who does he go with? You'll have to ask Bill himself, and if he tells you, the chances are ten to one that you will wish you were in his shoes.

We first knew him as an easy going, pleasant fellow who seemed to have a special gift for writing short, snappy reports. We asked him how he got away with it, and he said that it was too much work to write long ones. We thought so, too, if you could say as much on one sheet as the other fellow could on three.

He came to Tech from Chicopee, Mass., and although he assures us that Worcester is a fine place and the people in it are the best ever, sometimes he doesn't get back here in time for the Monday morning eight o'clock. And they say he gets letters pretty regularly, too.

Already Bill has proved his true value as an engineer by accomplishing the next-to-impossible; he doesn't let his studies interfere with his college life and still he gets by. With such ability already acquired, we feel sure that he will come through with success in his future work, and we wish him all kinds of luck as he goes out to show what Tech engineers can do.



AFTERMATH



CHARLES ABRAHAM GAMMAL "Charlie"

Chemist

Born March 31, 1897, Damascus, Syria.
Prep. Worcester Classical High School;
Entered W. P. I., 1916.

"1920" Soccer

Born in far off Syria, "Charlie" found nothing in the line of chemistry which was deep enough for him, so he decided to cross that big salt solution called the Atlantic and cast his lot with the good old U. S. A. After looking over the field he decided that Tech was the goal of his ambition and despite many disadvantages he has stuck to it and is now a member in good standing of the "Senior Chemists."

To those who do not know him, "Charlie" may appear to be a very quiet fellow but any one of the followers of Boyle could tell them differently. For "Charlie" takes delight in little tricks such as exploding potassium picrate near some unsuspecting person absorbed in distilling "those aniline." And there has been little fooling in the Lab. during the last three years in which he has not had some part. In fact, he nearly qualified as a Knight of the Wash Bottle in the Organic Lab.

Those who played soccer with him two years ago in the "Physical Ed." course will remember that "Charlie" was the victim of several mishaps, but he showed the same indomitable spirit that he has shown in his studies and this year was a member of the championship class soccer team, which defeated all the other classes, including "them Freshmens."

After accomplishing all that he has, we know that "Charlie" will succeed at anything he may attempt, and we all extend to him the wish for a bright future.



AFTERMATH



MILTON WARD GARLAND

"Milt"

ØX Skull

Mechanic

Born August 23, 1895, Harrisburg, Penna.
Prep. Harrisburg Technical High School;
Entered W. P. I., 1915.

"W" Track

Class Relay Team (1); Captain (2);
Cross Country (2); Captain (4); Track
(1, 2, 4); Class (1919); Treasurer (3);
Y. M. C. A. Treasurer and Finance Di-
rector (3); President (3); Social Direct-
or (4); Carnival Committee (4).

"Milt" matriculated at Tech from the city
of Harrisburg, Pa., in the fall of 1915.

Normally, "Milt" is a quiet, cheerful sort
of chap. When he loosens up, however, and

tells of his motorcycle races, the conclusion is drawn that he must have led a
rather fast life.

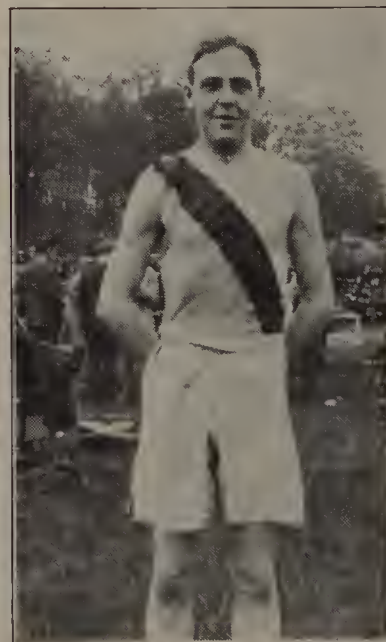
We often wonder why he used a motorcycle, however, as he has a somewhat con-
firmed habit of running around the country at rather wild speeds. In fact "Milt"
is a star runner. At cross-country he shows them all his heels and he can also
show them a few things at regular track work.

When the United States entered the war, "Milt" enlisted in the Navy. His
chief occupation was examining candidates for the steam engineering school at
Stevens Tech. Here is one man whom B. A. must have taught something.

"Milt" has been an enthusiastic Y. M. C. A. worker and has been connected
with all the activities of his work.

During last Christmas vacation, "Milt" renounced
all connection with bachelorhood. Whether he want-
ed another present or whether he did not have enough
trouble already, we do not know. If appearances
count for anything, however, it certainly is not the
latter class.

"Milt" has been a hard worker here. He has al-
ways succeeded in absorbing the required amount of
knowledge from each course. We are sure that Tech
will have a worthy son in "Milt" and we all wish him
the utmost success in his work after leaving.



AFTERMATH



ROGER MAURICE GRIMWADE

"Grim"

AXA

Electric

Born May 5, 1898, Charlton, Mass.
Prep. Southbridge High School; Entered W. P. I., 1915.

"1920" Soccer

Junior Marshall, Picture Committee (4);
Class Soccer (2, 3, 4); Aftermath (1919),
Business Manager.

'Twas away back in the Fall of 1915 when this tall, fine looking fellow landed on Tech Hill, and ever since then he has been known to us as "Grim." We can't conceive that even the Freshman cap rush took the least bit of dignity from him, for no matter where he is found nor what he may be doing, he holds

that same impressiveness of manner which makes us all admire him. He had hopes of graduating with the Class of 1919, but Uncle Sam decided his fate otherwise and took him to Fortress Monroe in the Fall of 1918 to teach him a few things about the Coast Artillery. It wasn't long before "Grim" got his Lieutenantcy, but about that time the war came to an end, so he never did get into real action. When college started again last Fall, he just had to come back to see if he couldn't get hold of that sheep-skin. You bet he has, 'cause "Grim" has the stuff in him. and when its absolutely necessary, he can fool 'em all.

"Grim" has kept busy in other things around the Hill. He might be found playing basketball or he might be seen on the tennis courts. However, his bit in athletics was done on the 1920 Senior soccer team; he just wouldn't let that ball go thru the goal. He has also been a hard worker on several Class committees. Besides this "Grim" is a real disciple of Hoyle. If anyone wants to learn anything about cards or checkers, just ask him; bid-whist, in particular, is his indoor sport.

But "Grim's" life at Worcester Tech hasn't been confined to the Hill alone. Many a Saturday afternoon he could be seen leaving the house in a Cadillac Eight. "Where are you going now, 'Grimm'?" And the answer would be, "Down to the Bancroft to a Tea Party," or "off for a little Golf." Oh yes, he likes the ladies all right, but he doesn't let them nor anyone else know much about it.

Now we must bid "Grim", "Good-bye to the cares and toils of W. P. I." We all wish him the best of luck.



AFTERMATH



WILLIAM WHEELER HALL, JR.

"Bill"

ΦΓΔ

Skull

Civil

Born September 30, 1896, Malden, Mass.
Prep. St. John's School, Manlius, N. Y.;
Entered W. P. I., 1914.

"W" Relay

"1918" Relay Cross Country

"1920" Track

Assistant Manager Track (2); Sophomore Hop Committee (2); Tech Show (1, 2, 3); Dramatic Association Secretary (3); President (4 twice); Musical Association President (4); Glee Club (2, 3, 4); Cheer Leader (3); Athletic Association President (4); Class (1918); President (4); Tech Council (4); Athletic Council (4 twice); Faculty Athletic Committee, Student Representative (4 twice); Student Assembly Committee (4); Aftermath (1918) Board, Civil Editor.

"Bill" came to Tech in the Fall of 1914 with a derby hat and a military prep school record of no mean proportions. He started right in to show us that he was interested in other things than studying by winning his numerals in two class track events and gaining a place in the Tech Show cast.

During his Sophomore year, "Bill" branched out into the Musical Clubs, played on all his class teams, and when not able to find an evening's entertainment elsewhere might be seen doing a little studying. However at heart he was a hard worker, and as cheer leader gained a wide popularity on the Hill.

This was shown conclusively in his Senior year when "Bill" was elected President of his class, President of the Dramatic Association, President of the Athletic Association and President of the Musical Clubs. The coming of the war caused "Bill" to leave school in December of his Senior year to enter the service, but returned to us in the Fall of 1919 to take active part in all school activities. Since the advent of the pay telephone for more general use, "Bill" is greatly handicapped in finding an evening's occupation, and was never known to have a sufficient supply of nickels.

Bill is a shining example of "stick-to-it-long-enough and you will get what you are after," for after four years of hard work he finally won his "W" in track.



AFTERMATH



PAUL JONES HARRIMAN

"Scoop"

ATΩ Skull

Mechanic

Born July 8, 1898, Haverhill, Mass.
Prep. Haverhill High School, Phillips
Andover; Entered W. P. I., 1916.

Glee Club (1); Class Rifle Team (1);
Tech News Association (2, 3, 4); Sub-
scription Manager (2); Business Mana-
ger (2); Editor-in-Chief (3, 4); President
(3, 4); Assistant Track Manager (2);
Football Manager (3, 4); Wireless As-
sociation President (2); Junior Marshall,
Sophomore Hop Committee (2); Army
and Navy Hop Committee (3); Chairman
Half Way Thru Committee (3); Chair-
man Junior Prom Committee (3); After-
math Board, Editor-in-Chief (Resigned);
Commencement Class Prophecy.

"Did you go to Andover?"

"When I was on the naval cruise—"; with either one of these remarks this man Harriman will throw himself into any conversation and conduct it efficiently for some time.

But these are only reminiscences, for in the last four years Paul has become interested in putting Worcester Tech activities on a paying basis. His real delight is to plot curves for some of the M. E. Department faculty but he has felt it his duty to manage most of the Institute's organizations. Careful search shows that the Dramatic Association is the only one that has not felt his guiding hand. This neglect is due to Paul's intense concentration on a special correspondence course in typewriting that the faculty introduced for his benefit alone about the time of the only show held during the last three years.

"P. J." has made a creditable start as a writer,—probably owing to his experience on the *News*. One of his books, a treatise on a technical subject, has already been heard of in many parts of the country. We prophesy that as a graduate his fame as a technical writer will increase.

Not all of "Scoop's" time has been spent pushing a pen during his residence in Worcester. When he begins to hunt up a boiled collar and studs we may be sure that an event of importance to Worcester's elect is about to take place. He has also a working knowledge of all the girls' schools in the east and has managed to combine his football team trips with many delightful social functions. Efficiency; "that's him all over."



AFTERMATH



RAYMOND BENJAMIN HEATH

"Bennie"

ATΩ Skull

Mechanic

Born September 9, 1896, Mystic, Conn. Prep. Westerly High School, Westerly, R. I.; Entered W. P. I., 1914.

Dramatic Association (1, 2, 3, 4); President (3); Secretary (4); Tech Show Cast (1, 4); Tech News Association, Staff (1, 2, 3, 4); Editor-in-Chief (3); President (3); Junior Prom Committee; Interfraternity Council (4); Assistant Baseball Manager (2); Football Manager (3); Student Branch A. S. M. E. President (3); Chairman Commencement Committee.

To tell of the accomplishments of "Benny" Heath would necessitate a larger page than this, for his years at Tech have been full of activity and experience. "Benny" entered Tech before most of us with the class of 1918 but due to sickness was forced to leave, returning however the next fall with the class of 1919. With this class he served Tech well, being prominent in numerous activities. As our fair prima donna of the stage, he has no rival as may be judged by his leading role in two of our annual Tech shows. Certainly he must have studied other things at Tech than books in order to so fittingly portray the ways of the fair sex. Evidently his visits to Wellesley have not been in vain. However, think not that "Benny" is given to feminine ways, for his work as Editor-in-Chief of the *Tech News*, and his experience in the Navy, prove him to be "every inch a man." Yes, "Benny" was in the Navy, for the idea of the S. A. T. C. as a fighting unit did not suit him, so he joined the Naval Reserve Training School at Stevens' Institute. There he became a worthy officer in Uncle Sam's Navy by the same ability to make good as he had exhibited previously at Tech. Not to start what he could not finish, Ray again returned to us in the fall of '19 and so has come to share our exit from Alma Mater. Certainly a more welcome classmate could not be found, for as a good student, a fine fellow, and a true friend we shall remember "Benny" Heath, nor shall we have any doubts as to the future success of his quiet ways.



AFTERMATH



MAURICE WHITE HEINTRITZ

"Heine"

ΣAE

Mechanic

Born February 22, 1896, Clinton, Mass.
Prep. Clinton High School; Entered W.
P. I., 1914.

Four years ago, as Freshmen, little did we realize, when we saw "Heine" tossing them around on the basketball floor, that we would some day work in Machine Design and perform wonderful experiments at Chaffin's with him. The War did do some funny things in this world, and it has either made "Heine" as young as we are, or we as old as "Heine".

"Heine" is one of the boys that always wants to know all about it. If you work in Lab. with him, it is easy to see that he not only does his share of the real experiment in good shape, but always finds some other small experiments to perform.

Did you ever hear of the Senior Mechanic basketball team? "Heine" remembered the team the Mechanics had when he was a Junior, and was an ardent worker in organizing this branch of sport in our class.

One thing that can be seen from his basketball playing is that when he goes in for anything, he goes in hard and plays or works with all there is in him.

"Heine's" rise in the Army shows that he has the real stuff in him. He enlisted in the Summer of 1917, as a buck private, and when the U. S. came through, he led his air squadron back over the sea as their "top kick".

If you want someone to talk to, joke with, or help you out of a hard place, ask "Heine"; he is always willing and will do his best, which is a great deal in all cases.



AFTERMATH



RUSSEL BUNCE HENCHMAN, JR.

"Russ"

OX

Electric

Born September 25, 1897, East Jaffrey, N. H.
Prep. Conant High School, East Jaffrey,
N. H.; New Hampshire College (one
year); Entered W. P. I., 1916.

Class Baseball (1, 2); Tech News Busi-
ness Assistant (3, 4).

"Russ" broke away from the farm in 1915,
wandered as far as New Hampshire State
College, where he stayed a year, and then
came down to the big city. In his four years
in Worcester, he has become "city-natural-
ized", but he is still sure to give himself
away when things go wrong; for then he is

sure to explode with "gorry" or "the gol' durn' rum-dum". "Russ" brought these
expressions down from East Jaffrey, and all of the Institute's English courses have
been unable to cure him of using them.

"Russ" played baseball for his class in his Freshman and Sophomore years,
but then decided to devote all his time to his studies. His studies, however, have
not been confined solely to those at Tech. He has included a complete course at
the Strand, and has not missed any opportunity of attending dances and other
social events.

"Russ" has worked hard at his Institute studies, however. True, he was found
asleep in a corner in M. E. Lab. one day, but he atoned for that by appearing in
a pair of overalls at the boiler test. "Russ" is fond
of good books and is interested in Nature. He en-
joys going for walks in the country, but he has never
been able to convince the rest of us of the benefit to
be derived from taking said walks at 6 a. m.

Seriously, however, "Russ" is a steady plugger, and
a good, earnest worker, and we are sure he will at-
tain the success he deserves.



AFTERMATH



ALLAN WINSHIP HILL

"A. W." · "Sliver"

TBII

Electric

Born December 29, 1897, Hartford, Ct.
Prep. Hartford Public High School; En-
tered W. P. I., 1916.

Aftermath Board.

"Hey, Hill! Whatcherdoin' this after-
noon?"

"Why, I dunno. I was thinking of writ-
ing that M. E. report."

"Let's go for a walk."

"Well-l-l. Sure, where do you want to go?"

And then we find him engaged in his fa-
vorite occupation. It may be for a stroll to
Bancroft Tower, or a hike to Holden and re-

turn, or yet a three-day trip to Wachusett (as we see him in the snap-shot), it mat-
ters not to him.

At any time of day or night, in rain or shine, he is always ready to pass up the
work (except possibly a championship pinochle match) and go as far as you like.
Or, again, if your intention is canoeing, just mention the Lake and you will receive
immediate attention. Hill's specialty there is a two-day trip which ends when a
rescuing party rescues the hired canoe from him.

This love of outdoors led Hill to spend several summers at Plattsburg, and when
the call came for additional officers for the new army, he was commissioned a
second lieutenant in the Infantry. He was assigned to the S. A. T. C. Unit at Trin-
ity College, Durham, N. C., and served there until the
Armistice.

Following his discharge, Hill returned to Tech and
persuaded the Faculty that he could make up the lost
semester and carry his regular work. He succeeded
so well that Tau Beta Pi found him among those it
desired to honor, and this year he has been assist-
ing in the Physics Department.

Perhaps his fine scholarship has been the result of
his total abstinence from that ruinous tendency of
most Tech men—the women. Hill has never been
known to dally in the parlor of a single Worcester
Fair One. However, those letters in a youthfully
feminine hand from the home town, and the occa-
sional snap-shots displayed by him have shown him
not to be without "ambitions" even though he has
been wise enough (or lucky enough) to have kept
pleasurc separated from business.



AFTERMATH



PERCY ALBIN HILL

"P. A."

Cosmopolitan Club TBII ΣΞ

Chemist

Born July 7, 1897, Ashland, Mass.
Prep. Worcester English and Commercial
High School; Entered W. P. I., 1916.

Y. M. C. A. Handbook Staff (3).

Arguing again, and with the Kaiser. We bet a million that "P. A." holds his own, even as he did in the Organic Laboratory. Our champion knows his point when he engages in these verbal combats, and more than one instructor is glad when a settlement has been reached.

"P. A." has well deserved his high marks, and he is by no means a "grind"; he knows

how to utilize extra time that most of us throw away. Hill is, moreover, a faithful member of the Theatre Club, attending meetings regularly, yea, even twice weekly sometimes, and paying dues regularly.

Percy never lost the habit of being an honor pupil in grammar school, high school, and Tech. Diligence and application have won for him all that he has obtained, and we have never known him to bluff or "frig". He was one of the two to get all the analyses correct in Organic Laboratory, and even the Kaiser had to admit that they were correctly figured.

Although "P. A." cannot be said to have given much time to any fair damsel, he surely has been a sport in all forms of athletics, and is also fond of fishing. Were he as lucky in catching fish as in catching honors, he must have had pretty good luck.

We might mention that Percy has been official milk inspector for the last two Summers, and we are sure that the city got its money's worth of services, for "P. A." is not a shirker in anything he undertakes. We, who have been with him for many years, predict for him a successful career, on account of his own efforts, and not through "pull".

*"Thus we see,
'Twixt you and me,
That soon success
To him will be."*



AFTERMATH



FRANKLIN THEODORE HOLMES

"Jit"

ATΩ

Mechanic

Born August 29, 1894, Haydenville, Mass.
Prep. Springfield (Mass.) Technical High
School; Entered W. P. I., 1914.

Student Branch A. S. M. E. Secretary (3).

'Most any Monday morning at about nine-thirty, we have noticed this young man stealthily open the door to the Machine Design Room, noiselessly gain his seat in that room, and then assume a "been-there-all-the-while" attitude, ere "Dingtoe" awoke from his slumbers. Just why Franklin is apt to be late on Monday morning, is easily explained. The last train from Springfield on Sunday evenings is apt to be pretty late in reaching

Worcester, and although Franklin may claim to have been spending a quiet week-end at home, we know better. We are inclined to think that Franklin believes as Burns did, that

Of all the airts the wind doth blow,
I dearly love the west;
For there my bonny lassie dwells,
The lassie I love best.

Franklin came from the wilds of Springfield, and entered Tech with the Class of 1918. With that class, his genial personality and his activity soon won for him a worthy place and gave him the distinctive title of "Jitney". When the stress of war made itself felt at Tech, "Jitney" left school and entered the service, where he served for the most part as second lieutenant in a Machine Gun Company. Judging from his remarks, his years spent in military duty did not improve his love for the South, but seemed to make him care all the more for the North and its attractions. At any rate, as soon as he was released from active duty, "Jitney" returned to Tech, and has since been a loyal member of the Class of 1920.

"Jitney" starts few things that he cannot finish, as is evidenced by his past achievements, and although not one of Tech's "sharks," he leaves a good record. He is an all around good-fellow, and his pleasant ways and cheerful smile make him a friend of all. We certainly wish him all success in his future work as an engineer.



AFTERMATH



JOHN QUIMBY HOLMES

"Jack"

AXA

Mechanic

Born November 27, 1898, Springfield, Vt.
Prep. Springfield (Vt.) High School; En-
tered W. P. I., 1913.

Tech Show (1).

Back in the Fall of 1916, this handsome youth came down from the wilds of Vermont, to wreak terrible havoc among the young ladies of Worcester and vicinity. He appeared much younger than he really was, and once when he told a girl he was a Freshman, she innocently inquired, "What high school?" This youthful appearance helped him to success in feminine roles in the Tech Show and the Carnival. During the latter

he created considerable commotion by appearing in the men's locker room dressed as a young lady.

Being equipped with an excellent set of brains and a certain amount of practical experience along mechanical lines, he found no great difficulty in fooling the Professors, and his one ambition was to get by with as little work as possible. This gave him extra time for development along social lines. Ask the girls of Worcester if he made the most of his opportunities.

During the S. A. T. C. his military genius became apparent and won him rapid promotion. Often does he become reminiscent and hark back to the days spent "down at the Fort".

In his Senior year, his undisputed ability as a chauffeur gave him remarkable privileges in the use of Jimmy's "flivver", and he did not hesitate to take advantage of them. As a Mexican athlete he is supreme, and bears the title of the King of Spades, as the champion shoveler of the House.

But seriously, "Jack" is sure to make good; he has the ability and the initiative, and with W. P. I. behind him, we expect much from him.



AFTERMATH



DOUGLAS EDWARD HOWES

"D. E." "Duggy"

Cosmopolitan Club

Electric

Born May 7, 1889, Ashfield, Mass.
Prep. Sanderson Academy; Entered W.
P. I., 1916.

"1920" Soccer

Class Soccer (1, 2, 4); Y. M. C. A. President (3, 4).

"Doug," as some of us call him, bears no resemblance to his famous namesake in the movies. On the contrary, he is one of those quiet fellows, until someone, while running a belt test, accidentally transfers a little static to him. They do say that electricity properly applied will restore lost vitality, and surely

after such an application things happen. Unlike the rest of us, however, he does not employ profanity upon such occasions, as that would be unbecoming in the President of the Y. M. C. A.

You say you saw Douglas with a lady? Oh, no! I think you must have been dreaming! Never in our four years at Tech have we seen Douglas attending a social function with company. But he and other members of the Y. M. C. A. made frequent week-end pilgrimages to surrounding towns, and we do not know what may have happened on these trips.

Douglas is not one of our sharks, but nevertheless he gets there. Sometimes we wonder how he does it, but even Doc Pierce could not hold him up. He is a hard worker. If you don't believe it, just drop into the "Rat Hole" early some morning, say about 8.30, and watch him fry eggs on both sides at once, slice bread three slices at a time and draw coffee all in one operation.

He has not told us what he expects to do in the future, but we predict success in whatever line he may take up, and wish him the best of luck.



AFTERMATH



CHARLES NEWELL HUGGINS

"Hug"

"Baldy"

ΦΓΔ

Chemist

Born January 28, 1894, Portland, Oregon.
Prep. Lincoln High School, Portland, Oregon;
Entered W. P. I., 1914.

Glee Club (1, 2, 3); Manager (3); Musical Association Treasurer (3); General Manager Tech Show (2, 3).

When Newell returned to Tech this Fall, after a prolonged vacation in the Argonne, he was welcomed with open arms by Worcester's society. We understand that he made an enviable record for himself, throwing gas at the Boche, but those who know him best could have prophesied as much, as he always was a past master at the art.

Charlie and his inevitable cigar arrived in Worcester in the Fall of 1914 as a member of the class of 1918. Since that time he has been a prominent member of the Institute Dramatic and Musical clubs. His departure to the Pacific coast, the land of his nativity, will be lamented not only in local social circles, but in those of Northampton and Wellesley as well.

What hair Newell still retains is of a decided blondish hue, but he assures us that his loss is not due to any ultimatum of either Kaiser. He has accomplished a notable achievement in graduating without ever having been a Senior, and the friendship of this capable, broad-minded, cultured young man will be remembered by his classmates as one of the greatest assets of college days.



AFTERMATH



HAROLD GORDON HUNT

"Honey"

ΔT Skull

Civil

Born December 12, 1897, Rutland, Mass.
Prep. Worcester South High School; Entered W. P. I., 1916.

"W" Baseball "1920" Soccer
Track Rifle

Class Soccer (2, 4); Track (2); Rifle (1);
Baseball (2, 3, 4); Rifle Club (1, 3, 4);
Class Treasurer (3, 4); C. E. Society
Treasurer (4); Basketball (4); Aftermath
Board, Assistant Advertising Manager;
Permanent Treasurer.

We do not know why a man with such an endearing nickname as "Honey" should be an avowed woman hater, but such was Harold, even unto the bitter end. He did give us a terrible scare at one of the basketball games, however. During one of the most exciting moments of the game a sudden gasp of horror rose from the stands, for there was our own "Honey" with one hand tucked under the elbow of a wiley woman. But when our vision cleared, deep was the sigh of satisfaction that was sighed by the startled spectators. 'Twas his sister, and our hero's record was saved.

Among the many valuable services that "Hal" has rendered to his class, and to Tech, the greatest of all has been on the baseball field. His pitching victories have been numerous and decisive. How confident we always felt with "Honey" in the box, calmly standing with folded arms, waiting for the catcher's signal; then a quiet glance around the bases, and before we knew it, a streak and a thud as the ball landed in the catcher's mitt. But his bat was even mightier than his arm. He was a close rival of "Babe" Ruth when it came to driving the opposing fielders out beyond the flagpole, so that when not pitching, he played in the outfield.

For a long time we thought that it was impossible to get his goat, because nothing ever seemed to worry him, but when we started figuring stresses in structural design, our idol took a fall. "Honey's" sudden outbursts of "poetry" in an otherwise quiet (??) and peaceful (!!!) drafting room, frequently gave evidence of the fact that even his patience was not unlimited. Quiet and unassuming, and a hard worker, but always eager for a little fun, Harold was one of the most popular men of the class.



AFTERMATH



HAROLD FREDERICK HUNTER

"Cy"

Civil

Born June 27, 1898, Spencer, Mass.
Prep. David Prouty High School, Spencer, Mass.; Entered W. P. I., 1916.

"Let's go to the Strand tonight, 'Cy'?"

"You're on, Cope; I guess it's your turn to buy the tickets."

And so "Cy" fools away one night each month at the shifting photos, under the evil influence of Copeland, the other devotee of the screen. Otherwise he was usually to be found studying in the Senior drafting room until 6 or 7 p. m., adding to the Institute's lighting expenses.

In spite of his rather wild moods, in which he was wont to fill up most of our student bags with bricks, black-board erasers, etc., "Cy" has always been a good fellow with a cheerful and helpful nature. He has always been willing to enlighten those appealing to his wisdom, especially in those "hard" subjects under "Reddy", in whose classes he took considerable pride in shining. We recall many expressions like the following: "Other things being equal and everything considered, it all comes down to what Mr. Hunter has just told us, and without putting myself down on record, etc., etc."

Although not taking part in Tech activities to a great extent, "Cy" has always been interested in everything that has been going on. He was a member of the Tech Gym Team in his Freshman year, and consequently he became quite skillful in various clever gymnastic feats, which he frequently performed for our benefit.

Hunter has, on the whole, been an average man, but he has always managed to pass his courses, which is more than most average men do, and so we predict that if he always applies himself as conscientiously and faithfully as he has here at Tech, it will not take long to rise to the position of one of Spencer's most influential citizens.



AFTERMATH



GUSTAVE VERNER JOHNSON

"Gus"

AXA

Mechanic

Born October 7, 1895, Maynard, Mass.
Prep. Attleboro High School; Upsala
Academy; Entered W. P. I., 1915.

Musical Association Vice-President (4);
Glee Club (3, 4); Class Basketball (4).

"Gus" came to us from the Class of '19, after he had been out a year working. Although not a member of our original class, he seems now like a regular member. "Gus" is a rather quiet fellow and is not much at gushing to the fair sex—that is, not in Worcester. However, we rather have our suspicions of his life in his home town, especially when we see those pink envelopes arrive "with commendable regularity". Also his frequent Sunday visits to the Public Library are looked upon with doubt, as they last many hours and when "Gus" does return he seems to be little farther along in the subject that he said he went to investigate.

Since joining our class "Gus" has represented the class on its Senior basketball team, and was also on the Division team in its momentous game with the Senior Civils. He has participated in the inter-fraternity baseball, basketball and track events.

Just now, "Gus" is visiting Tatnuck every Sunday, since, because of his professional capacity as a member of the Glee Club, he is leading a church choir out there.

The class has to thank the Class of '19 for leaving us such a member as "Gus" Johnson, and we wish him the best of success, which we are sure will be his fortune after leaving his Alma Mater.



AFTERMATH



HELMER PHILIP JOHNSON

ΑΤΩ ΣΕ

Civil

Born December 2, 1896, Worcester, Mass.
Prep. Worcester English High School;
Entered W. P. I., 1915.

"1920" Soccer

Sophomore Banquet Committee; Half
Way Thru Committee; Class (1919); Sec-
retary (3); Class Soccer (4).

Up from his native haunts on the shore of Lake Quinsigamond, there comes, every day, a quiet, unassuming fellow who has almost never failed to be on time for classes. Yes, Helmer was raised on the slightly civilized Worcester shore of the Lake. He graduated with honors from the Worcester English High School, and had the good courage to enter,

as a member of the Class of '19, Worcester Tech.

After three years of Tech, characterized mainly by the hard study well known to Civils, and a strong interest in North High (which interest suddenly changed one Fall to Mt. Holyoke) Helmer went to Plattsburg. There he was made a lieutenant, and served nobly our country in the sanguinary battle of Camp Grant. His Army experience did much for "H. P." but it cost him the loss of a year at Tech. Unable to graduate with his old classmates, Helmer decided to cast his lot with the Class of '20 for his Senior year. And, although he declared that he had forgotten all he ever knew, it came back to him, and he has proved to be one of "sharks" of Pa's family.

As a student, Helmer is a keen analyst and a clear thinker, and he has not infrequently "picked up" Professors. Helmer is not a speed artist, but is noted rather for accuracy and extraordinary neatness.

The better you know this reticent chap, the better you like him. His many bad habits are as follows:
* * * * Besides these, there is one other, Helmer does cuss terribly. Yes, sir, we have often heard him let out, under the stress of strong feeling, such horrible words as "Oh, Chucks" and "Hang it all". When struck with a new idea, his favorite expression is "Oy-yoy-oy."

Whether in business with his father or as a structural engineer, or in any other work, Helmer's uprightness will be his strength, and with his pleasant personality, his keen mind, and his willingness to work, he is sure to succeed.



AFTERMATH



WINTHROP STANLEY LAWRENCE

"Laurie"

TBII ΣΞ

Chemist

Born January 14, 1899, Falmouth, Mass.
Prep. Lawrence High School; Entered
W. P. I., 1916.

Sceptical Chymists (2, 3, 4).

In the Fall of 1916, upon the opening day of school, there could have been found a youth of gentle mein, who hailed from the southern shores of Cape Cod. As a true son of those sturdy old whalers, he wore his red-buttoned gray cap with pride and it was not long before his classmates became aware of the fact that he wore it with more or less dignity and distinction, having been known to go so far as to wear it down town on his

weekly visits to Poli's fun palace.

Despite the fact that "Larry's" feet are fond of "tripping the light fantastic," and of the fact that he has been known to attend two dances and several shows all the same week, "Larry" has made a wonderful academic success here at Tech.

His social success has also been a thing to remark upon for "Larry" has made many lasting friendships, on account of his ready smile, winning personality, and readiness to help anyone out in scholastic entanglements. His beaming countenance will be missed by all, but although his departure from the Hill will be looked upon with sad eyes, there are several professors who will again resume their normal breathing, for "Larry" has a shrewd and deductive mind and has always been ready to challenge any statement that seemed in the least questionable. With him goes our best wishes for a great success, and we feel sure the future will find the name of Lawrence in high chemical circles.



-NINETEEN HUNDRED TWENTY-

AFTERMATH



WILLARD ELLIOTT LAWTON

ΣΕ

Chemist

Born May 23, 1899, Worcester, Mass.
Prep. Worcester English High School;
Entered W. P. I., 1916.

From the wilds of Wesley street in the Fall of 1916 there came a youth to Tech. No heralds announced the news of his approach, but little did the Profs. know how soon their ways to be corrected. Willard's favorite amusement is to show up the instructors as anyone will testify who has been associated with him. Mathematics involving the use of the second differential are as meat and drink to him. Indeed he has aspired to emulate Newton and Faraday to such a degree that

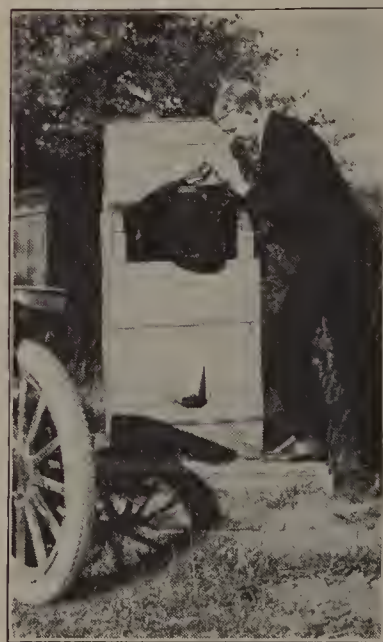
the physics department decided to make him a permanent fixture during his stay at Tech.

No one who was here during the fateful event of the S. A. T. C. can help but remember the soldier-like command of a certain division leader who, with one eye on the Lieutenant and the other on the squad, used to utter that, "Attention!" "pick up the step there Bauder!" Even the Profs. were not exempt for they were called to attention by the morning salute in the same manner. Needless to say he was busy ducking snowballs when the Lieutenant's back was turned.

It is rumored Willard forsook a brilliant career as a second Lieutenant to remain a chemist. Not only in the field of science is he an apt student for we understood he is an organist of no mean ability.

There have been no rumors connecting his whereabouts with the lake or the dancing institutes of Worcester but he has been reported as indulging in the Strand, and Tech night at Poli's found him in the very front row. Sad to say no attractive actress called for volunteers that eve.

As to what Willard will busy himself with in the future no one ventures to predict, but it is not unsafe to say if he pursues his present methods he will be successful. It is rumored however, that he may undertake the task of instructing other youths in the ways of knowledge and anyone who knows him predicts a brilliant future.



AFTERMATH



ROGER PHELPS LEAVITT

"Roge"

Chemist

Born December 30, 1897, Jamaica Plain, Mass.; Prep. Concord (N. H.) High School; Entered W. P. I., 1916.

The young man whose picture adorns this page stands 6 foot 9 when on the first floor of a step-ladder. For some unknown (?) reason, he moved from Massachusetts early in life, and settled in Concord, N. H. In September 1916, he decided to brave the perils of the Bay State in general and Worcester Tech in particular; this is the reason that he has been seen wandering around the Hill so much during the past four years. His very good judgment led him to take the best course on the hill, so August 1917, found him lined

up with the H₂S eaters. He is always on the lookout for good advice, so when he heard Bobby say, in Sanitation, that the feet should be warm and the head cold, he took it to heart; ever since that day he has taken pains to stand on his head when he feels excited.

His interests are varied; he will lose his beauty sleep to find a rare postage stamp, and leave the stamp to talk motor boats. The main difference between his boats and Pop Munroe's is that the former will float. He will leave motor boats to take a picture, and will lay aside the camera without a sigh if he sees a chance to go home. The only thing which will make him leave home is one of the Kaiser's eight o'clocks. None of us have ever seen him with a girl in Worcester, but—he takes the late train for Concord.

He is an expert photographer, many of the pictures in this book being due to his skill. He has always come up smiling after the semi-annual deluge of exams. He is one of the men whom it has been a pleasure to know, and in going out into the world, he carries with him the best wishes of all his classmates.



AFTERMATH



NORMAN PRESTON MARKS

"Norm"

ΘX TBII ΣΞ

Electric

Born June 9, 1898, Waterbury, Conn.
Prep. Crosby High School, Waterbury,
Conn.; Entered W. P. I., 1916.

E. E. Society (2); Director (3, 4); Y. M.
C. A. Finance Committee (2); Treasurer
(3); Glee Club (3, 4); Aftermath Board,
Assistant Business Manager.

"Norm" hails from the "Brass City,"
Waterbury, Connecticut. When he came to
Tech he must have left a big gap in the life
of that flourishing city.

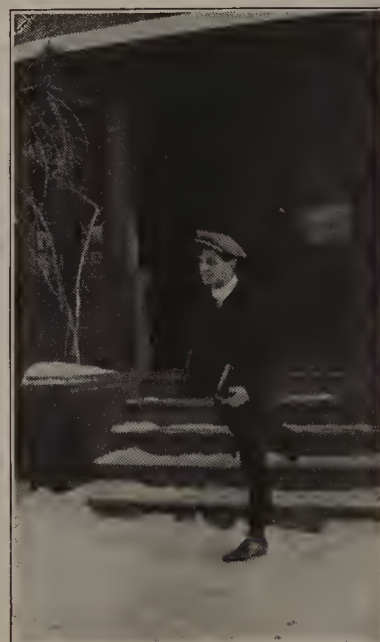
During his first two years here, it is doubt-
ful whether there was a more studious or con-
scientious worker. Nevertheless, his studies
came easy to him and in Junior year he was elected to Tau Beta Pi. A radical
change has come over him during the last two years. Work with him has become
a disagreeable task, but to modify this statement, it should be said that he has given
considerable time, helping other men with their work in Calc, Physics, etc.

"Norm" has been interested in Tech activities and has carried out successfully
all that he set out to accomplish. During Freshman and Sophomore years, he was
active in Y. M. C. A. work, and this year has served on the Aftermath board and
was elected class Vice-President for the second term.

"Norm" is a man of many interests, and when he is not doing horse work for the
departments at Tech, he devotes his time to the selection and reading of good
books, or takes trips to the "wilds" of Maine, where
the black bass are the biggest, and where the beauties
of nature are a balm for the tired man.

Inability to get up in the morning unless urged by
various means, and lateness to classes are two things
that "Norm" enjoys and all resolutions to the contrary
have been futile so far. One of his mottoes, well lived
up to, is: "Never do today what you can put off until
tomorrow." A question naturally occurs here in regard
to his interest in women. He kept us guessing on this
point for some time by his silence in the matter but
finally settled it by passing the cigars.

To know "Norm" is to know a fine fellow, and he
has the goodwill and best wishes of all of us as he
leaves to swell the ranks of Tech's successful grad-
uates.



AFTERMATH



BURTON WALLACE MARSH

"Bud"

ATQ TBII ΣΞ
Civil

Born January 9, 1898, Worcester, Mass.
Prep. Worcester English High School;
Entered W. P. I., 1915.

"W" Baseball "1919" Soccer

Class Banquet Committee (1); Chairman
(2, 3); Y. M. C. A. Cabinet (3, 4); Class
Soccer (4); Baseball (2); Varsity (3, 4);
C. E. Society President (4); Commence-
ment Historian.

After a most successful career at the old
English High School of Worcester, "Bud"
resigned himself to four years here at Tech.
At first we wondered if his aim was to in-
crease his store of knowledge or to withdraw

from the world of fickle women. However, now when we see his attainments, though
he may have succeeded in the latter object for a while, we know he could make
"the gazing rustics ranged around wonder how one small head could hold all he
knew." He has always been able to keep his head over the mud in everything,
from English even to Hydraulics. We all know "Bud" as a scholar.

But his life on the Hill hasn't been merely in books. He has paid his gym fees
and believes in getting his money's worth out of them. From September until
spring we have seen him running from tree to tree and bush to bush examining
each for the first bud, which to him proclaims the season for baseball. Then we
find him out in sunny center field pulling the pill in from its airy flights. Even
though "Bud" was an old '19 competitor, he boosted
'20 for victory in soccer this last fall.

Now that commencement has loomed into sight evi-
dently he dares to indulge in the pleasures of the com-
pany of the fair sex. Our basketball games have an
added enthusiast.

Here's to you "Bud," in whatever you undertake
to do hereafter, be it in further schooling, as you seem
to be headed, or in your life work, yes even in your
wooing. We all cherish your good fellowship.



AFTERMATH



RICHARD HADLEY MARTIN

"Dick"

ΔT

Chemist

Born October 3, 1896, Manchester, N. H.
Prep. Manchester High School; Entered
W. P. I., 1916.

Class Football (2).

"Dick" is one of those fortunate individuals to whom work is a pleasure. At least it looks that way to see him at it. When there is a scarcity of school work he occupies himself by hiring out as a skilled workman, for he is a carpenter, painter, chauffeur and chemist, and as a side line he has some experience as an undertaker.

It was organic that almost floored him for the reason that he took more notes in an hour than he could study and copy in a week. If all of them were collected there would be no immediate danger of a fuel shortage in the city.

However hard he has to work, he finds time to take a few evenings off each week. Then he gets dressed for calling and goes out, sometimes not returning until the wee small hours. He may also be found at all of the Tech functions, more especially the dances, for which he seems to have developed a great liking.

His good nature and great capacity to work, together with his ability to figure out the most difficult problems, give us the assurance that he will make his mark in the world. And as "Dick" leaves Tech he carries with him the sincere wishes of us all, for that success which most certainly is in store for him.



AFTERMATH



GERARD AMBROSE MATTE

"Matty"

Newman Club

Chemist

Born January 31, 1896, Nashua, N. H.
Prep. Worcester English High School;
Entered W. P. I., 1916.

During this last year any observing person must have noticed a rather nervous individual who comes rushing in from the wilds of Greendale daily. Many a person who rides, even as doth our hero, on the Worcester consolidated "flyers" from the land of the grinding wheel must have wondered at the look of impatience in this youth's eyes as the car sped cityward. But those of us who have, e'en as he, those far-famed 8 o'clock lectures on the combinations of the carbon atom, can

well realize his desire for haste. Gerard Ambrose Matte is by no means the only individual who has obtained *full credit* by failing to be on time for a (5') quizz starting at 7:55. But why worry over a trifle?

Matte is a Worcester product. He obtained his preliminary education at the Adams Square grammar school. Graduating from there as a honor pupil he attended the late English High. There, his record was among the best. After two years in the business world, Matte entered W. P. I. At the Institute Matte has worked industriously. But Gerard has other diversions beside studying chemistry. It is rumored that every Sunday Matte acts in the capacity of organist and director in a local church and—those who have heard him have been heard to say: "Truly, 'music hath charms.'" His fellow chemists can vouch for his singing qualities, for many a day has he warbled after successfully completing a chemistry "exam." And indeed, who wouldn't burst into song after "hitting" one of those one-hour organic exams which can easily be finished in two hours?

Matte works hard and we feel sure that all of his fellow chemists will unite with us in wishing him as great—yes, greater success than that obtained by his two brothers who have preceded him at Tech.



AFTERMATH



RAYMON FRANCIS MEADER

"Ray"

ΣAE

Mechanic

Born December 7, 1897, Whitinsville, Mass.; Prep. Northbridge High School; Worcester Academy; Entered W. P. I., 1916.

Tech News (2); Mandolin Club (3).

"Ray" is one of the kind of fellows who keeps quiet but gets what he goes after. Along in his High School days he decided he wanted to come to Tech and fearing that his High School course did not fit him well enough for the harder subjects on the Hill he took a year at the Academy and then came up here to show that the Trig course really is a cinch.

This quality has been shown throughout his course. Some of us stayed here at school the whole of Junior year and then just barely passed, while "Ray" went to Plattsburg and then to Camp Taylor and came back in January, when during the spring and summer with a good deal of hard labor he made the Senior Class and is still one of us.

Of course, we do not want to give the impression that this man is a grind. Any one who is with "Ray" long knows that he likes to talk and is as ready for a joke and a good time as anyone. He also has begun during the last two years to take in many of the dances on the Hill. While not an athlete, he always gives his support to the teams and often manages to have someone with him to help in the cheers.

The best thing to say for "Ray" is that he does get what he goes after, and that anyone who can get through the Junior schedule in the Mechanic's course in less than the time allotted deserves the brown derby and a few more of those famous prizes.



AFTERMATH



HARRY CHAMBERLAIN MERRITT

OX

Mechanic

Born November 22, 1895, Cohoes, N. Y. Prep. Worcester North High School; Entered W. P. I., 1915.

Student Branch A. S. M. E. Secretary (3); Vice-President (4); Junior Marshall; Glee Club (4); Commencement Committee.

Harry, known as "the one man balloon corps." In asking Harry why he joined the balloon corps, he states that he knew that the balloon corps would win the war. Also it was an easy place to fall out of.

No one could ever speak so fluently and poetically of our beloved instructors as could Harry. His descriptions of "Doc" Ingraham's "gas ingenuity" put Webster in the back-

ground, because there are no such words in his dictionary.

But with all his good points, like the best of us, Harry had his faults. One of the worst was late hours, both at night and at classes. It has been said that the last shall be first and this is usually true whenever Harry is concerned.

Did you ever hear his description of all the women in general? Women haters could take lessons from Harry on how to hate the women—"verbally." But alas, Harry fell in the early years of his life at Tech, before the rest of us became acquainted with the ways of the women.

Harry came to Tech in the Fall of 1915 with the famous class of 1919. We recall with much pleasure the way the instructors bowed to him, "in his mind." But Harry soon learned his mistakes and during his Sophomore year he was a truly model student.

When the battle cry sounded Harry answered the call and as the world knows, the balloon corps, of which Harry was a very essential part, won the war. Harry attained the rank of Second Lieutenant and proved as did all the other Tech men in the war that a Tech man is ever up with the leaders. Since his return to Tech, Harry made his debut as a songster. Far be it from us to comment upon his success.

With big ambitions and an ever increasing desire for hard work, an ever-ready wit and a jovial comeback on all occasions, Harry has kept us in good humor on such unpleasant occasions as when "Doc" Ingraham enters with a handful of M. E. reports to be returned for correction.



AFTERMATH



OSCAR AUGUST NIERENDORF

"Dutch" "Ockie" "Ozzie"

ΦΣΚ

Mechanic

Born January 22, 1897, Washington, D.C.
Prep. Hartford Public High School; Entered W. P. I., 1914.

Dramatic Association Vice-President (1, 2, 3); Tech Show (1, 2, 3); Tech News (1, 2, 3); Advertising Manager (3); Glee Club (1, 2, 3); Junior Marshall (3).

Our class has been very fortunate in securing such an addition as "Dutch" from Hartford. He has no fear for the Profs. He even attempts to make them think that he knows nothing about a subject. He can well do this, for he gets by easily enough.

"Ockie" has been seriously thinking of becoming a salesman. Why couldn't he make it a success, when he can go down to any automobile agency for information and leave with the whole sales force begging him to come around again with more pointers.

"Dutch" might easily become a heart-breaker, even if he may not already be one. This fair faced gentleman possesses many if not all of the winning ways that are so well liked by the fair sex. 'Tis rumored that he possesses quite a variety of portraits and snapshots to assist him in his final decision.

He isn't the kind of fellow that keeps the knowledge that he gets to himself. If a fellow needs help, "Ockie" will sit down with him and go through the difficulty and then some. Then too, another phase: he can more than hold up his end of a discussion on any topic. It is not all a matter of disposing of the horned monster either, for one is soon convinced that he possesses a very generous supply of general information. So beware trying to stick him.

"Dutch" is also very active in life on the Hill as his list of achievements but vaguely indicates. He's a jolly good fellow, a friend to be trusted, and a hard worker.



AFTERMATH



CARLTON JEREMIAH O'NEIL

"Jerry"

Chemist

Born August 3, 1898, Hudson, Mass.
Prep. Hudson High School; Entered W.
P. I., 1916.

Sceptical Chymists (2, 3, 4).

Jeremiah Carlton—whom we usually call "Jerry." is a native of the glorious town of Hudson. In his four years at Tech, it has been his practice to journey to that town every week end in order to carry on his duties of winding the town clock and brushing out the Mayor's office. Upon his return to Worcester town, he proceeds to do his bit of studying. Somehow, "Jerry" possesses a wonderful ability to finish everything he starts, and consequently he graduates from Tech on scheduled time.

For his long black hair, assiduously brushed for ten minutes each morning; and for his habitual "golramit," Carlton is noted. His favorite attitude is lounging around with his green and orange bath robe. If he is not gazing at cracks in the ceiling, he is on one side of a table saying, "Well, Peck, you might as well let me have it—you know you can't bid three." He is always munching candy,—but nobody else gets any. The corner druggist has grown rich on "Jerry's" sweet tooth.

Many times "Jerry" wonders if chemistry is really his true vocation. There is much in art which attracts him; and the stock market wields much influence over his life. Nearly every day, "his broker in New York" telephones about his last speculation. Then, Carlton would also have liked to be an actor. It is rarely indeed that he cuts his lessons in the dramatic art at either Poli's, the Grand or the Worcester. How many times have we seen him in these theatres with his feet resting on the stage.

Upon his departure from Institute we know Carlton will make good. Some concern is going to be fortunate in securing such a common sense business man. Everybody wishes him good luck.



AFTERMATH



EDGAR PARKER

"Ed"

OX

Electric

Born February 28, 1897, Guelph, Ontario, Canada; Prep. North Easton High School; Entered W. P. I., 1916.

Soccer (1); Rifle Club (1, 3, 4); Secretary (4); Rifle Team (3, 4).

Let us introduce you to another of our classmates, "Ed" who hails from North Easton.

During Freshman year, "Ed" applied himself diligently to his studies as all Freshmen should. In Sophomore year, he became interested in the rifle team, and since then has been a consistent point winner for Tech and class. Last year he won one of the medals,

awarded for high scores.

One of "Ed's" favorite questions is, "Hey, how do you do this problem," and before one has had time to explain to him the method involved he will butt in with, "Well, I thought so and so." His persistence in asking questions is unbeatable.

Another of "Ed's" weaknesses or shall we say strong points, is his fondness for the fair sex. This is shown by the art gallery on the wall over his desk and by attendance at all social affairs at Tech. He suddenly lost all interest in these. He is silent on the subject, but frequent letters and week end trips home may explain it.

"Ed" is a wholly likable fellow, good natured and a worker. As he leaves to take up the larger tasks of life, he has the best wishes of all his friends and classmates.



AFTERMATH



CHARLES WARREN PARSONS

"Charlie"

ΦΣΚ

Civil

Born June 5, 1897, Rye, New Hampshire.
Prep. Portsmouth High School; Entered
W. P. I., 1915.

Tech News (1, 2, 3); Y. M. C. A. Cabinet
(2, 3); Vice-President (3); Orchestra (3);
Glee Club (4); Mandolin Club (4).

Charlie was one of the pioneers of the class of 1919 to go down to fight for our country in the great battle of Fortress Monroe. Back in the year 1917, he left his fellow Civils stranded in their summer practice "friggin" the closure of the horizon, etc., to go down to the C. A. Master Gunner's school where he soon showed his great skill in using the gun and the slide-rule, and was therefore ap-

pointed instructor in gisement, Lamberts, grids and other subjects familiar to civil engineers, but by other names. The only time he came anywhere near any bloodshed was the time he ran a bunch of candidates, whom he had at sabre practice, into another squad of rookies being drilled in the manual of arms.

"Charlie" is an expert in many arts besides those mentioned above. In the musical end of Tech life, he has played the drums for the mandolin club or the orchestra ever since he came to the Institute, and during his last year on the Hill he has allowed many audiences to hear his silvery (?) tenor voice in the Glee Club. If anyone is a patron of Terpsichore, "Charlie" is, as there have been very few dances run up on the Hill which he has not attended. He has also been active in the *News*, Y. M. C. A., and other projects here, which are almost too numerous to mention.

If he does as well in the engineering profession as he has in some of the side lines in which he has been engaged during the summer recesses, such as selling tin pots and pans for an aluminum company, he should make a big success when he leaves Tech. He has always been a steady fellow, full of patience, and of the kind who accomplish the thing which they set out to do, unless "there was just one little point that I did not quite understand in his demonstration," which we hear so often in the class room.



AFTERMATH



ROBERT ARVID PETERSON

"Bob" "Pete"

ΦΣΚ ΤΒΠ

Mechanic

Born May 14, 1897, Worcester, Mass.
Prep. Worcester English High School;
Entered W. P. I., 1915.

Y. M. C. A. Editor and Manager Hand-
book (3); Student Branch A. S. M. E.;
Vice-President (3); Glee Club (4).

On the War Honor Roll of the Class of 1919, there is to be seen "Robert A. Peterson, 2nd Lieutenant, Field Artillery." When "Bob" had finished drilling rookies in the arts of rubbing down horses and polishing cannon, he returned to show us that it would take more than a little war, or even Tech, to make him lose that smile of his. For it is his

manly smile that makes you forget your troubles and always be glad to see him. He always has a cheery "Hello" for everyone and an expression of courtesy for each occasion. "Bob" is quiet at times, but he is thinking and reasoning things out in that broadminded way so characteristic of him. And if you need help, his willingness and unselfishness, as well as his unusual ability to size up situations and make the best of them come to the front.

Also, "Bob" does many things of which no one hears. Few of us know of his visits to Smith College or that he greatly enjoys a good string of bowling-on-the-green. And when you mention sleigh rides and long hikes, you are talking "Bob's" language. For he knows how to have a real good time, even if he doesn't tell anyone about it.

If you have an easy job, don't make the mistake of giving it to "Bob." He doesn't like those simple things that anyone can do. But if you have a difficult task which must be done right and completed within a certain time. "Bob" will sit up all night to have it ready when due. He is always willing to work a little harder than is expected, and this quality, together with his high ideals, fine personality and wonderful smile will win for him that success which we all wish him.



AFTERMATH



ROBERT MILTON THULE PETERSON

"Pete"

Electric

Born May 16, 1898, Worcester, Mass.
Prep. Worcester North High School; Entered W. P. I., 1916.

Treasurer Wireless Club (2, 3).

"Pete" is the featherweight of our class. He is capable of exerting a considerable "MA," but since he never does any more "FS" than necessary we need little fear him. The fact is we never saw "Pete" angry and wonder if he could be. He despised gym classes just as the rest of us did, and would rather play "squash" alone. However, outdoor tennis is his favorite sport, which may be accounted for when one recalls that there might be other attractions at Green Hill than tennis.

"Pete's" greatest fame is in wireless. He is consulted by all, high and low, on this subject and has taken an active part in the work of the Wireless Association at Tech when it was organized and even when it was not.

"Pete" dislikes to do any more work than necessary. But we must not mistake him as being at all lazy. Rather, he seemed to have previous training which enabled him to do many things quickly, and it was always a problem for the instructors in drawing to keep him busy.

"Pete" left us for a few weeks at the beginning of the junior year when he was sent to Fortress Monroe. However, the grub and climate did not suit him down there and soon after the armistice was signed he came back to graduate with us.

The Y. M. C. A. gave "Pete" a job at the third Tech Carnival, and from the results of his work we know how he likes to tease the other sex, for he succeeded in terrorizing them with a weird skeleton lighted by Geisler tubes. The "dingbusted" thing brought them all his way.

"Pete" never knew of such a thing as make-ups, and seldom had to burn the mid-night oil at books. Rather than this, he would listen to Germany and the rest of the world. Moreover, the government permits him to transmit as a first class operator.

In parting we wish you the best of luck, "Pete," and have every assurance that you will have it, as we always knew you as a practical rather than a theoretical chap.



AFTERMATH



MALCOLM JESSE QUIMBY

"Quim"

ΔT

Electric

Born July 1, 1897, Wildwood, New Jersey.
Prep. Foxboro High School; Entered W.
P. I., 1915.

Class Football (2).

Well, Well, Well, who's this bright-eyed chap piking up Tech Hill? Yes, fellows, he is Malcolm J. Quimby from Foxboro, and he's just as good natured today as he was when he left his home town away back in 1915 to take up the strenuous duties of W. P. I. Think of it, he's been thru Joe Busey's Freehand and Bobby Sweetser's Gas Analysis, and yet not a single hair on his head has turned gray. He always comes up smil-

ing. Guess that must account for his being such a bear for work. You should see him tear into a Lab. report with his "trusty" Hammond. Why, the old house just rattles all over till he's done and then he'll quickly jump up, "Well, Gentlemen and others. Another frigging Lab. report done. Guess I'll go to bed." Oh yes, "Quim" is an early riser, and he's so proud of the fact that he takes great delight in jumping out of bed a half hour before anybody else and then pulling everyone out, too.

But most of all, we'd like to know what he's had to do with the fair sex. Three long years went by and "Quim" didn't know much about 'em. They do say, though, that all men have a soft spot. While he was out to Pittsfield last summer, supposedly working for the G. E. Co., we rather imagine he tore around some. 'Twas pretty hard work for him to get away from the place, but good old W. P. I. has an attraction after all. And "Quim's" found out that there are some pretty nice girls in Worcester, too. At any rate, he spends many an evening out.

Now, we see him going out into the world with a sheep-skin under his arm, and we all know that he'll soon put his W. P. I. training to work and make a success.



AFTERMATH



SAUL RABINOWITZ

"Rabie"

ΣΩΨ Cosmopolitan Club Scholem Aleichem

Chemist

Born November 24, 1898, Chicopee Falls, Mass.; Prep. Southbridge and Worcester Classical High Schools; Clark College (1 year); Entered W. P. I., 1917.
Sceptical Chymists (2, 3, 4).

"Rabie" missed a great deal when he spent a year at Clark. Our sister institution was too easy for this little fellow, so he joined the ranks of Tech '20. Tech presented no more difficult problems than did Clark, because "Rabie" has a unique method of efficiency. His "output" is amazingly high for his small "input."

"Rabie's" ability in applied physics is remarkable. He could apply the law of angle of incidence and refraction, on a pool table, better than the average student and he was known among the members of the Y. M. C. A. pool room association as a pool shark.

We shall always remember "Rabie" by his persistence in whatever he does. He carried this out even to minor incidents such as always coming into the "organic" class, jut one minute after the lecture had started.

"Rabie" gained a well earned reputation for his ability to bring nice looking girls to Tech social affairs, thus arousing the jealousy of some of his pals. While in the S. A. T. C. it was a familiar sight to see this youngster hastily saying good-bye to two or three of the fair sex, a few minutes after the "fall in" was given.

Of a winning personality, industrious, ambitious, and confident, "Rabie" is certain to make a valuable addition to the men of his profession.



AFTERMATH



FREDERICK EDWARD REINERS

"Fritz"

ΣAE TBII

Mechanic

Born January 23, 1896, Brooklyn, N. Y. Prep. Manual Training High School, Brooklyn, N. Y.; Monson Academy, Worcester Classical High School; Entered W. P. I., 1916.

Sophomore Hop Committee; Junior Prom Committee.

"F. E." began his eventful career in the bright lights of New York City and obtained his early education there. When our hero left this city of many attractions and came to Worcester, he was taking a step in the right direction; but the thing that showed his good judgment and ability was when he made

the decision to come to Tech and be a mechanic. His mechanical ability was very evident even as a child and has led his mind into some very exciting and puzzling mix-ups, the tales of which often form the basis for an interesting conversation. Thus he has been here at Tech, a hard working fellow with a mind of his own which often produces very elaborate ideas and schemes for accomplishing the impossible.

To look at "F. E." one would never suspect that he was a man of deeds. What he has not done, tried, or is going to try, is not worth doing. "F. E." is a sailor, a soldier, and an all round sportsman. Many are the wild adventures that he has had with his boat at the lake during his summer vacations. He maintains that he is an authority on sail boats and the art of sailing.

During "F. E.'s" Sophomore year he decided that he must do his bit toward helping Uncle Sam win the war, so he tried to join the aviation. For some unknown reason he was rejected. On account of his good scholarship in his previous year, he was qualified to join the engineers reserve, so he decided to come back to school and join this unit at Tech.

To sum up, Fred is a mixture of a shark, an engineer, naturalist, scientist, and above all a truly likeable fellow, to whom friends are a habit. In whatever he does, 1920 wishes him the best of success.



AFTERMATH



ALBERT RICHARD RIENSTRA

Electric

Born March 20, 1898, Whitinsville, Mass.
Prep. Northbridge High School; Entered
W. P. I., 1916.

When Rienstra first came to the Hill, he was so fond of his native town that he returned there every night, even though this necessitated getting up at five the next morning to catch the train back. However, he soon realized the benefits of sleeping under the shadow of Boynton Hill and limited his visits home to week ends.

He is a serious-minded fellow with a capacity for continuous work and, by the expenditure of considerable midnight oil, has held his own in spite of finals and make-ups. By way of exercise before retiring for the night,

he occasionally breaks a chair and then promptly repairs it for future use. It is rumored that he had to move in search of fresh material.

Business before pleasure is one of "Renie's" maxims and he is usually to be found studying during the evening—unless there is an organ recital in a neighboring church. On Sundays he is organist and choir director in a Whitinsville church.

When we were first initiated into the class in A. C., he was in doubt as to whether the wealth of vocabulary to be heard there was good for his young ears. He has survived, however, and, in spite of two years' exposure to Doc. Pierce's eloquence, has never been known to cuss.

We wondered at his indifference to the fair sex in Worcester until we saw him one day driving an automobile with one of the fair by his side. An inquiry brought to light the fact that his attentions to the damsel in question date back to High School days.

Rienstra leaves the impression of a quiet but good natured classmate. His conscientious work will surely take him through life as easily as his long stride has carried him up the path to Boynton Hill.



AFTERMATH



KENNETH CLIFFORD RUSSELL

"Russ" "Ken"

ΦΣΚ

Mechanic

Born November 27, 1896, Harvard, Mass. Prep. Bromfield School; Entered W. P. I., 1915.

Class Baseball (1, 2); Football (1, 2); Varsity Football (2, 3, 4); Baseball (1, 2, 3); Tech Show (2); Dramatic Association Secretary (2, 3); Class (1919) Treasurer (3).

"Ken" entered in the Fall of 1915 and immediately set up a standard in his work that is to be envied, and which he has upheld consistently in all his undertakings.

Three years were very successful, and then the Navy called him in order to further his education in steam. During his spare hours he saw New York, and even today, "Russ" often wonders if the latter experience was not more beneficial than that obtained at the Steam School. However, it was not until "Ken" had "stood by" the destroyers at Trepassey Bay that the N. C. planes started their famous flights.

W. P. I. again became foremost in Russell's mind in the Fall of 1919, when he started the final year after a year of absence. Football saw Russell at end in most of the games, and the end of the season found him in Hoboken after the Stevens' game. Once more, Jersey City's young set was graced with his presence, and Russell says we should play Stevens' four or five times each season at Hoboken.

Leap year appears, and "Ken" must watch his step, for any gentleman who can do anything from "Shaking the ————" to wielding the axe (or shovel) would receive any father's approval. Seriously now, the "fair sex" have never annoyed him much. He has annoyed them.

"Russ" wins the good will of all with whom he comes in contact because of his personality, willingly shouldering more than his share of the load, if necessary; never losing patience; and comes back with a better one, after you have told the best you know.



AFTERMATH



HOBART DIXON SANBORN

"Sandy"

Chemist

Born June 1, 1898, Laconia, N. H.
Prep. Laconia High School; Entered
W. P. I., 1916.

"Sandy," the real honest-to-goodness investigator, a true follower of Boyle. Very early in his career he took a liking for research work. Among other things he discovered in his first year that Worcester was bounded on the south by the Grand, on the north by Poli's and on the east by the Strand. Although this fact was long known to "Tech Scientists," great credit is due "Sandy" for discovering it unaided. Hobart is now willing after much coaxing to divulge the secret of his success with the typewriter. He took

a correspondence course, the correspondence being one letter each and every night without fail to someone in his native town. The student can claim that the letter is being sent to "Mother" and thereby divert suspicion. However, we prefer the blue stationery written in the ordinary manner. A queer thing about "Sandy" is his desire for longer and more frequent holidays. Often he has been known to "cut" on both ends to lengthen what time he has. We wonder why? Once on returning a day late he told about all the wood that he cut up in New Hampshire. However, not the smallest blister could be seen even with aid of a microscope. It must be serious as he was never known to spend his time that way in Worcester. Hobart must have been the person who coined the word "modest" for though he always received without any apparent effort, very good grades, we never heard him mention the fact above a very casual tone. If you desire someone who is familiar with about every subject known, "Sandy" is your man. Although a trifle backward in coming forward, a more well meaning chap could not be found. We predict a great future for him.



AFTERMATH



BAALIS SANFORD

"Ducky"

ΣAE

Chemist

Born January 26, 1899, Clinton, Mass.
Prep. Billings (Montana) High School;
Entered W. P. I., 1916.

Tech News (2, 3, 4); Associate Editor
(3); Sceptical Chymists Council (3, 4);
Aftermath Board.

"Ducky" was first heard of in Clinton, but he soon left civilization and journeyed to the wilds of Wyoming. But when it came time for him to choose a college, he decided to try Worcester Tech, and so it happened that he came back again to civilization. If you chance to meet a fellow with a grin, and mussed-up hair, wandering around the Salisbury laboratories, you may be pretty sure that it is "Ducky."

During his first years at Tech, "Ducky" was a daily traveler to and from the town of Westboro, but, as greater knowledge and experience came to him, he decided to brave the perils of the "big city," and moved into Worcester. A week end never goes by that he does not make a trip back to Westboro, and it has been rumored that there is an especial reason for those trips.

As a chemist, "Ducky" has been a marked success. One day in organic lab, he blew up a lot of chemicals and nearly blinded himself. As a result of this novel experiment, the "Kaiser" presented him with a token of his esteem in the form of a "D" for the month. But in spite of his original ways, "Ducky" manages to get by with creditable marks without seeming to work very hard.

As Associate Editor of the *News*, "Ducky" has taken an active part in school activities. Taken all in all, he is a "good scout," and is well liked by his fellows. We wish him success wherever he may go after leaving Tech.



AFTERMATH



HOWARD CROSBY SARGENT

"Fat"

ΦΓΔ Skull

Civil

Born April 11, 1896, Malden, Mass.
Prep. Malden High School; Entered W.
P. I., 1914.

"W" Football

Football (1, 2, 3, 4); Tech Show (1, 2,
3); Toastmaster Half Way Thru; Chair-
man Junior Prom Committee.

"Fat" was an "Officier Aviateur, tres brave,
tres gallant, et si gross," as numerous mad-
emoiselles in the region of Bordeaux might
testify, if they were asked. Of course, know-
ing "Fat," we naturally conclude that the
ladies must have been prejudiced, but the
fact remains that he really was a Naval Avia-

tor. He was stationed at St. Trojan, France, most of the time, engaged in sub-
marine patrol off Bordeaux. The dearth of casualties among the U-boats in that
sector was doubtless due to the fact that the ocean was unusually close to the
shore thereabouts.

Howard is another hang-over from the class of 1918 and he was decidedly an
active member of that Class from the day he landed on the Hill, wearing a derby,
until he left, at the end of his Junior year to enter the service. Football and Dra-
matics are his specialties. He has held his place on the varsity since Freshman
year and the patrons of at least three Tech Shows can testify to "Fat's" ability as an
exponent of the Thespian art. In fact, this versatile youth has been largely suc-
cessful in all his endeavors,—and he has tried most things at least once.

It seems hardly appropriate that this humble tribute should end without a casual
reference to the fair sex. I approach the subject with reluctance, since it seems
obvious that the duties of a biographer must compel me to state facts which ordin-
arily I would hesitate to make public. However, the truth will out; it is in the
role of parlor snake that "Fat" really excels.

Having done my duty, I feel called upon to square myself by correcting a false
impression that Howard has never been able to live down. I refer to
the popular belief, that he manages to get by without working. I don't
know how the rumor started, but believe me, it's all wrong. (Faculty
please note).

I don't feel that I have done him
justice; but it is rather a large sub-
ject. More power to him.



AFTERMATH



ARTHUR COLTON SEARS

"Fat" "Art"

ΔT

Chemist

Born September 11, 1896, West Cummington, Mass.; Prep. Dalton High School; Entered W. P. I., 1915.

Rope Pull (2); Mandolin Club (1, 2, 3); Mandolin Quartet (1, 2).

"What is C₉ H₈ O₄? sacre blue isn't that a Hughie question?" This outburst is "Fat's" favorite manner of expression. It sounds as if he were expecting to get flunked on the final, but no such calamity is possible. One of "Fat's" ambitions is to become a second Beilstein.

Back in 1915, "Art" come to the Boynton Hill town with the desire to become a chemist.

The Mandolin Club knows of what "Fat" is made, by his work in the quartet. He selected his Sophomore year to be on the rope pull team when it kept dry.

When "Fat" was a Sophomore, as he tells it, he used to spend all his spare hours holding Elm Park ice down. He even stayed in Worcester during his vacations just to skate and go to the movies. Well, "Fat," it is a shame we do not believe all we hear.

But, when the call to fight came, all Worcester was forgotten, and "Art" shipped to Plattsburg where his ever willingness to do won him a commission. He was sent to Norwich University, where he held down the position of adjutant. When the armistice was signed, Arthur made a bee line for Dalton, the home town, and one would say that it has become quite a "home town" too, judging from the fact that many a hair-raising Sweetser lecture has been cut so as not to miss the train, and 6:00 A. M. Monday sees "Art" Sears just arriving back.

Summers have found "Fat" wrestling with the outside world at the G. E. plant at Pittsfield, Mass. He came back with the saying that "it is what one gets away with, and not what one does, that counts."

Hustle and muscle, brain and method are the things of which real men are made. "Art" does not lack any of these desirable possessions, therefore we safely say that success and happiness will be his in the years to come.



AFTERMATH



WALTER BERNARD SHEA

Mechanic

Born May 4, 1895, Worcester, Mass.
Prep. Worcester South and English
Schools; Entered W. P. I., 1914.

Shea entered Tech from the wilds of South Worcester in the autumn of 1915. Later, in his Junior year he decided to do his bit for Uncle Sam by joining the Navy. Then after a rather eventful career he returned to Tech to finish his education with the rest of us in the Class of 1920.

Walter can be seen every morning at 7:59 wearing his customary smile as he climbs the Hill from the direction of South Worcester. He came to us from South High and has many tales to relate of his experience there, which together with his characteristic

chuckle have helped to pass many a dull noon hour in the Rat Hole.

Although Shea is not a Lady's Man he is by no means a grind. We fear for the success of Poli's if he should by chance miss one of those hair-raising shows. Aside from his frequent theatre trips he does manage to attend to his studying and has invented a new and rather original method of doing so. His method is to retire very early in the evening or even in the afternoon so as to be absolutely sure of his sleep, which is very necessary in order for him to retain his beautiful complexion. He then rises when most of us are retiring (9 P. M.) and by time for classes the next morning he is in perfect condition for the exams or whatever else may be handed out. He believes that the early morning hours are the time to work, for at this time the mind acts much more quickly and accurately.

Shea can explain anything about automobile repairing and the intricacies of garage work. Although he is not one to brag about this knowledge he should make himself known in the Automobile World in a short time after leaving the shadows of the Hill; anyway, we all wish him success.



AFTERMATH



JAMES MADISON SHUTE

"Jimmie"

AXA

Electric

Born March 9, 1896, Watertown, Mass.
Prep. Uxbridge High School; Entered
W. P. I., 1914.

Interfraternity Council (3).

"Jimmie" is an Ex-'18 man; for in June 1917, he felt the call of patriotism, or was it wanderlust, and started out "to see France" before the fun was all over. It lasted for some time after he got there tho! He was in one of the first outfits to cross the big pond, and saw enough of the scrap to suit any one man. After the armistice, he was chosen to attend the University of Paris for a three months course in Engineering and re-

ceived a diploma from that famous school for the subjects he studied there.

If you wish to know anything at all about any part of France or Belgium, ask "Jimmie"; he's been there, and can tell you something interesting about each place he has seen. He has that happy faculty of acquiring useful and interesting facts and being able to pass them on, properly embellished, at some opportune time.

'Twas down in the Blackstone Valley, in a little town called Uxbridge, that our James first saw the light of day. One wonders how it held him so long; perhaps it is explained by the nearby attractions, one in particular. As he grew up he looked for new worlds to conquer, and we now have him, an embryo engineer, ready to tackle the biggest job of all: to wrest a living from the cruel world.

Although he firmly believes the world owes him a good time, work has its place and he will not shirk his share.

"Jimmy" and his flivver have made many trips to a little town in New Hampshire and he knows that the roads in his native state are not so bad after all. Yes, he lost his heart some time ago, and will soon be trying out that old adage that "Two can live as cheaply as one."



AFTERMATH



FRANCIS EDWARD SMITH

"Effie"

ΣAE

TBII

ΣΞ

Chemist

Born December 20, 1896, Worcester, Mass.; Prep. Leicester (Mass.) Academy; Entered W. P. I., 1916.

"Effie" comes from Leicester, at least he used to, and for two years, as some of us well know, on a bright red "*Indian*." We did not blame him for liking to commute when it meant a speedy spin on that motorcycle. The S. A. T. C. spoiled all that, however, and since then he has been like the rest of us.

Smith is one of those privileged few known as "sharks." If you don't believe it look at the top of this page; and he made it his Junior year. Besides being a "shark" "Effie"

is a full fledged member of the "Frigitorische Gesellschaft." Who is it, too, whose name always is first on any agreement not to appear at Dinny's lab. or not hand in Charlie's problems? Why "Effie" of course.

In looking over the Senior chemists for a ring leader, "Effie" would hardly be the first selected by an outsider. Those who know him best, however, have become accustomed to seek his advice before undertaking any new enterprise. The qualities of leadership are well exemplified in this quiet chemist, whether it be along scientific or non-academic lines.

One of the quietest men on the Hill, those who know him realize his many fine qualities. For absolute squareness to every one, and a genuine interest in the better things of life, "Effie" would certainly be hard to beat. We are certain that his career will be most successful for a good fellow and a hard worker always reaches the top.



AFTERMATH



RUDOLPH CARL STANGE

"Stinger"

ΦΣΚ

TBΠ

ΣΞ

Civil

Born June 21, 1898, Orange, Mass.
Prep. Orange (Mass.) High School; Entered W. P. I., 1915.

"1920" Soccer

"Stinger," like the ancient Sphinx, is quiet, leaving the pleasure of talking to the more noisy members of the Civil division. Not even the army (in which he served as a second lieutenant) made any change on him, for upon his return to Tech after a year's absence, he was the same quiet and modest fellow. But, when he does talk all the Civils gather around, for there is sure to be something worth hearing, either an interesting

story or more often an explanation of one of Pa's problems which they had failed to solve.

In all our four years, we have never known "Stinger" to worry and yet he has always ranked among the highest in the class. He has never found any difficulty with his studies, and moreover has always been willing to help the others who were less fortunate. It is rumored that some time in the near future he will write a treatise on Hydraulics, as this was the only course in which he did not entirely agree with the professors.

"Stinger's" greatest enjoyment seems to be found in outdoor sports, such as fishing, skiing, and skating, especially the latter. Not a few evenings has he been seen quietly to leave his books, to pass a few hours on the ice at Elm Park, illustrating fancy steps to his companions. We have been told that he can execute the latest steps just as well on the ice as on the Gym floor at the Tech dances.

"Stinger's" favorite song is without a doubt, "Oh! how I hate to get up in the Morning," for he always comes straggling into class anywhere from one to sixty-one seconds after the bell, and then blames the school clock for being ahead of time.

We expect to hear many stories of "Stinger's" success in a few years as he is certain to bring honor to the Class of 1920.



AFTERMATH



LELAND STONE

"Stonie" "Bricks"

AXA TBH ΣΞ

Electric

Born July 19, 1899, Templeton, Mass. Prep. Templeton High School; Entered W. P. I., 1916.

Orchestra (1, 2, 3, 4); Glee Club (3, 4); Manager Musical Association (3); Tech Show (4).

Stone came here from Otter River with his smile, his violin, and hopes no doubt of becoming an engineer.

He has realized his last hope if such he had, and the years between have been busy ones.

His college life was many sided. Study, sport, social life, and music claimed varied

but sometimes nearly equal shares of his four years here at school.

As a student, Stone was a busy man. He was entirely capable of concentrating his mind and his abilities on any subject to his own advantage. His war cries were "Oh Gosh," a sign of reverses or trouble and "Just a lot of horse work but I guess I have got to do it," which usually meant disagreeable work that had to be done. But these cries which served to let off steam or to get up ambition always preceded results which somehow or other Stone always achieved.

Sport meant football for Stone. Football was his hard nut. He played as a Freshman and played as a Sophomore, as a Junior, and as a Senior, and, though unable to make the varsity permanently, his perseverance netted him muscular advantages that have served to upset many of his friends in friendly tilts.

His violin bespoke musical abilities. These asserted themselves as shown in the incident below. Last year on learning that the orchestra needed a bass viol, he appropriated one somewhere and in a few weeks was master of it to such an extent that the orchestra tolerated him, or should I say welcomed him? He can also sing and has been useful to the Glee Club for many years.

His social life has been hard to follow, but we know that next to church socials and dances he enjoys going out on mysterious visits that seem to net him great pleasure. Shows and movies claim little of his attention.

In closing, there remains but one thing to say: His friends are many, and his enemies unknown.



AFTERMATH



HARRY WILLIS TENNEY

"Slats"

Skull TBII ΣE
Electric

Born April 19, 1899, Leominster, Mass.
Prep. Leominster High School; Entered
W. P. I., 1916.

"W" Baseball Mgr.

Baseball Assistant Manager (3); Manager (4).

Harry first began to experiment with induction coils, spark gaps, and condensers in his native town of Leominster, and so great did his thirst for knowledge of things electrical become, that one September morning four years ago we find him alighting from the "Leominster Limited" at Lincoln Square to become one of those who seek fame at Worcester Tech.

After procuring the insignia of all Freshmen—a Freshman hat and "Pop" Monroe's Shop Notes—little was seen of Harry outside of his regular classes. But when the first semester had closed, Harry's scholastic record showed that those many hours alone had been well spent. And though one of Harry's favorite expressions is "screwed again," it is always noticeable that the final marks show him to be near the head of his class.

But as time passed on, Harry began to pay a little more attention to social activities and occasionally a Saturday night would find him attending the festivities at "Ma" Day's. It was here that he first became acquainted with Worcester's fair maidens, and ever after Harry has always had one or two on his calling list. But though Harry may come home some evening with stories of a "whale of a good time," he has allowed the social life to claim his attention only occasionally.

As you probably have already guessed, Harry has few dissipations or bad habits. He neither smokes, chews, drinks, nor strolls thru Elm Park after ten P. M., but when once started,—Oh how he can talk. This fact was never more forcibly impressed on us than when the boarding mistress diluted the soup with dishwater, for Harry likes good soup. In fact, so fond of it is he, that last summer he journeyed to Camden, N. J., ostensibly to repair motors for the Campbell Soup Co., but actually we believe to learn how to make real soup. It is rumored that Harry's wife is going to be the best soup maker in the country.

For four years at Tech, Harry has worked hard and played hard, standing high not only in his studies, but in the estimation of all those who have come to know him.



AFTERMATH



ERNEST LEANDER THAYER

"Sam"

TBII ΣΞ

Chemist

Born May 21, 1897, Harrisville, R. I.
Prep. Uxbridge High School; Entered
W. P. I., 1916.

"W" Rifle

Rifle Club Treasurer (2, 3); Secretary
(3); Team (2, 3, 4); Captain (4); Scepti-
cal Chymists President (3).

"Sam" became a chemist at the time when,
way back in Uxbridge, at the start of his
career in pursuit of the answer to the eternal
"why," he put some sand in his mouth and
it didn't melt like sugar. So determined was
he to know all there is to be known in chem-
istry, that August 1917, found him in line
with the rest of us.

Few things worried this fair-haired son from Uxbridge until he found he must
be a veritable "Beilstein" to pass the Kaiser's organic. From then on, the hours
of the night grew longer, and the candle grew shorter. But the late hours never
seemed to effect "Sam's" good humor or readiness for a rough-house. Neither
did it shorten his stride.

Outside the rounds of studies he became interested in the rifle team, and by con-
sistently good shooting, won two 90% medals.

The only thing that kept the rest of us from going to sleep in Electro was "Sam's"
fund of questions, but Bobbie put one over on him (and all of us) in Sanitation
by making everything so explicit that no questions were possible.

For him, packing a bag, or a suitcase, to go home was never a hard task, but
the interruption of said operation was very often difficult. Where home was, we
don't exactly know, because he very often returned from another town at the latest
possible moment.

We are sure that more will be heard from this member of our class, and we
look forward to the possibility of meeting him again in the future, for we all know
he is a friend worth having. His classmates join in wishing him success.



AFTERMATH



ERNEST THOMPSON, JR.

"Tommy" "Ernie"

ΦΣΚ ΤΒΠ

Civil

Born January 1, 1898, Worcester, Mass.
Prep. Worcester English High School;
Entered W. P. I., 1915.

Commencement Committee.

"Tommy" the "shark" as he is well known, spent four and one-half years at English High, Worcester, not because he had to, but because he didn't want to leave in the middle of the year. In September 1915, he arrived at Worcester Tech, and except for one year (1918-1919), spent for the most part at Fortress Monroe, he has been sharking here ever since. "Ernie" hasn't been exceedingly strong for athletics, although he played on the 1919

soccer team for a couple of years.

One of his favorite expressions is, "Why don't you do it by Calc?" He usually throws that bomb into the Civils, when they are discussing a problem which is a little difficult. Then he proceeds to show us how it is done according to Granville and Thompson. How a man can remember "Calc" the way "Tommy" does is a question in the mind of every man who has been away from it for two or more years.

Besides Calculus, kidding "Reddy" seems to be his greatest diversion while on the Hill. "Tommy" says, "Oh, yes, Professor Ives, we used some of your books at Fort Monroe. I guess they must be good books to be so well known." "Reddy" answers with his — "when I read my thesis, only honor honor students read their thesis"—air. "Yes, that Ives and Hilts is just the thing for a condensed course in surveying." Then "Reddy" expands and "Tommy" looks him over with a quiet smile.

Besides being one of our greatest scholars, "Tommy" has other accomplishments. He goes to church in somebody's front parlor every Sunday night and where he goes on other evenings we are not so sure. If he is as strong with a line as he is in "Calc," we do not wonder much how he keeps the ladies interested.

If "Tommy" succeeds as well in business or professional life, we expect him to be the greatest Civil in the country in twenty years, and we have no doubt that he will be.



AFTERMATH



HENRY BAILEY TOWNSEND

"Henra"

Chemist

Born August 10, 1898, Greenfield, Mass.
Prep. Springfield (Mass.) Central High
School; Entered W. P. I., 1916.

Sceptical Chymists (2, 3, 4).

Henry was born in Clinton but has lived everywhere. The place which seems to have left the most impression upon him is Springfield, considering the number of week ends he spends there "on business," and the letters he receives. After graduating from Springfield Central High, he headed for Harvard but stopped off at Worcester and decided to stay here.

His two specialties are speaking and athletics. His training in the first line is beyond

reproach and in athletics he leans toward tennis (when courts are available).

His favorite subjects are iron and steel. Well remembered are "those paper" in the foundry and the "Scepticals." Even his thesis pertains to iron and here his fancy runs riot. There is one thing certain; he will never fail in his work after he leaves W. P. I., for, as illustrated in thesis, he is downcast by negative results only for a short time because he always comes up smiling with some new theory which explains everything (until the next time). Truly this will be an inestimable virtue for him later.

"Henra" is one of these deceptively quiet persons who are forever turning up unexpectedly in the midst of excitement. On the occasion of several laboratory riots he became close to proving that "it is the innocent bystander who always gets killed." However, "Henra" could always be depended upon to take his part in any of the organized lawlessness for which the 1920 chemists became (in)famous with "The Department."

Soon we shall hear from him in metallurgy—his forte—and some day the Gary, Carnegie and Townsend Steel Trust will be sending thesis subjects out to future chemists. Heaven help them.



AFTERMATH



RAYMOND PAGE TROTT

"Ray"

Chemist

Born September 11, 1895, Wenham, Mass.
Prep. Beverly High School; Entered W.
P. I., 1914.

Y. M. C. A. (1, 2); Fife and Drum Corps
(3); Sceptical Chymists (3, 4).

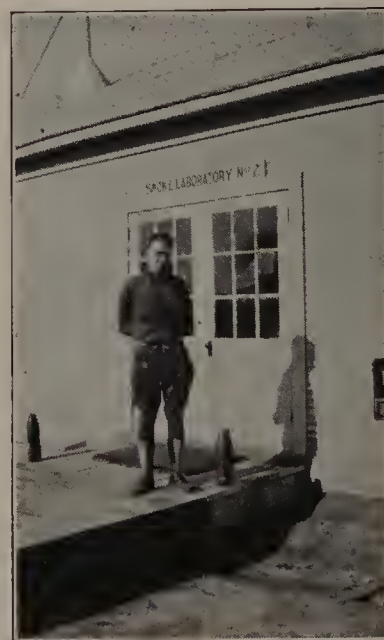
Trott commenced this life with the Class of 1918, and being new to Worcester he devoted his first month or two to study. Then, having acquired reputation and leisure, he undertook to help the Consolidated Street Railway run itself by giving it a push during his odd moments. Soon he extended the scope of his activities and became one of the Class's social stars. Saturday evenings found him regularly at Ma Day's "Colosseum de Dance,"

where he flitted gracefully about among Worcester's fairest.

Events on the Hill found him a regular supporter and always he came accompanied by some one or another of his long list of lady friends. And so his first three years passed with his pleasures diluted by sufficient work to leave him free from scholastic worries.

By that time Uncle Sam had decided to take a hand in European affairs and when it came to picking out the best army in the world it was only natural that he should select Trott, after looking up his record in the Tech Battalion Fife and Drum Corps. Hence "Ray" matriculated at Camp Devens in the Fall of 1917, and remained there until January. Then he was transferred to Washington, to the American University Experiment Station, where his training as a chemist was made available in the research work on smokes and gases for military use. His work there brought him the rank of sergeant. But even that could not suppress his social instincts, and those who were there report that he was just as popular as in Worcester. However, war-time Washington certainly showed its gay side to the soldiers and no one blames Trott for making the best of it.

With his discharge safely tucked away, Trott be-thought himself of that unfinished business at W. P. I. and so this fall joined the Class of 1920. Here his quiet and good natured ways have made him many friends and these unite with old friends of 1918 in wishing him all success.



AFTERMATH



FRED WEITZEN

Mechanic

Born March 20, 1894.

Prep. Torrington (Conn.) High School;

Entered W. P. I., 1913.

Football (1, 2, 3, 4, 5).

"Shoot a nickel."

Never a mistake, "Freddy" is around somewhere. Just where he acquired this saying we do not know, but it is not altogether improbable that it is the stamp of the army.

Although of a rather diminutive build, "Freddy" used his size to advantage in crawling under his opponents legs during the football seasons. From his position at quarter, "Freddy" ran the team with rare judgment, especially on the memorable occasion when we dedicated Alumni Field by defeating Rensselaer. Although he shone in football, he had undiscovered athletic talent which was not brought out until his Senior year, when he showed the Civils, and incidentally everyone else, how basketball should be played. It was due to his efforts that the Mechanics declared a dividend after the game, for he was in every play.

When it comes to an argument, "Freddy" is always "there," regardless of the subject of discussion. He almost broke up one of "Dingtoe's" design classes by arguing the merits of "Home Rule." In design, his collection of stories helped pass away those long, tedious hours.

Although "Freddy" did not cast his lot with the class of 1920, until his return from France, we soon recognized the excellent spirit which he always displayed in trying to be of assistance to others. We know that his spirit and perseverance are assets which assure him a successful future.



AFTERMATH



GEORGE LANSFORD WHITE

"Whitey"

ΦΣΚ Skull

Mechanic

Born Feb. 12, 1898, Springfield, Mass. Prep. Searles High School; Entered W. P. I., 1916.

Carnival Committee (1); Tech News (1); Tech Show Assistant Stage Manager (1); Class Football (2); Football (2, 3, 4); Junior Prom Committee; Junior Marshall; Athletic Association Treasurer (3); Class President (3); Tech Council (3, 4); Aftermath Board.

George started his college days at M. A. C., but after finishing his Freshman year, decided that a farmer's life would be too lonesome, and so came to Tech. At his very first appearance at "Joe Busey's Cabaret" he made

a howling success, but at last, after writing a treatise on "arrers" and "parellal" lines, he was given the degree of F. H. A.—Free Hand Artist.

When George arrived at Tech, he jumped right into the midst of things and after making a "rep" in studies his first year, went into the various activities on the Hill. In football we know him as the "Berkshire Bearcat" and woe to the opposing center who dared to stand in his way. Not satisfied with knocking out two players in one of the games, he made a wild tackle for a runner incidentally making his third victim leave the field, and breaking the umpire's ankle into the bargain.

Besides his athletic abilities he has been a very active worker for his class. He has served faithfully on many committees and is one of the most popular men of his class. But when we speak of activity, we must call him "Speed" with the ladies. He sure is "some punkins" with the girls and it is a rare occasion when George is not leading some fair damsel to a fox-trot.

Of his other accomplishments we could print pages but must at last write finis. We can rest assured however that he will return to our reunions with his characteristic "Speed" to show us his old "Bearcat" spirit.



AFTERMATH



LESTER CRAWFORD WIGHTMAN

"Bus"

AXA

Mechanic

Born February 13, 1897, Pawtucket, R. I.
Prep. Pawtucket High School; Entered
W. P. I., 1916.

Glee Club (3, 4); Junior Prom Committee.

Little Rhody is a small state, but its products, Oh my! "Bus" firmly believes in the motto, "Laugh and grow fat," for wherever you meet him, you will see his round jovial face break open into a row of white pearly teeth, from between which will emerge a merry chuckle, while his sides shake in sympathetic vibrations, in imitation of the adorable shimmy.

Speaking of dancing. "Bus" has been emphatically overcome by the light fantastic—especially the fantastic. He claims it helps him reduce—no doubt he means sleep—for after an enjoyable evening with Terpsichore, "Bus" may be seen rolling home in the wee sma' hours of the morning to prepare for one of his numerous eight o'clocks. Late hours do not affect him, or his sleep, however, for unless he is with the fair ones, he is invariably fighting with his beloved books, with a wonderful degree of success in each struggle. There is no doubt that his health is due to the very simple formula "work first and then rest." And since toil is the sire to fame, who knows that "Bus" may be old toil himself, with fame in his keeping. He has worked and toiled hard in all the activities he has entered on the Hill, to attain the success in each.

The Glee Club has shown a remarkable effect upon "Bus." Music is well said to be the speech of angels, for many a night from the room of Gerry and Wightman could be heard an angelic voice, which, at times would soar towards the heavens above—only to fall slightly flat of its destination. However, what has this got to do with the future of "Bus?" Will he sing himself to fame? No doubt he will. For to sing one's way through life means success. Our best wishes are with him.



AFTERMATH



IRVING MARTIN WILL

"Will"

Cosmopolitan Club

Electric

Born October 15, 1898, London, England.
Prep. Ecole de Nogent, Nogent-sur-
Marne, Seine, France; Entered W. P. I.,
1916.

"1920" Soccer Cross Country
Class Soccer (1, 2, 4).

"Will" first saw daylight across the seas in England, then wandered to the place where feminine styles originate, finally came to Tech to get a real education, and when it came to deciding which branch of engineering he would pursue he chose to endanger his life with electricity and steam rather than with bridges or KCN.

Thus we came to know this quiet young fellow who has since verified his well-built appearance by helping our soccer team pull thru all of its victories.

He is not strongly inclined socially. However, one show per week is the minimum and he will even set aside study in order to see the best show of the week.

Just as the names Hill and Will are nearly the same, so are the ideas of the persons to whom the names belong as regards use of leisure hours. The shore of Lake Quinsigamond was their bed one night, and the country ten miles north of Worcester is also pretty well known to them. The increased cost of shoe leather and clothes has not bothered them so far, although they will have to consider such things some day. "Will" prefers to spend his vacations at cutting ice, chopping wood or farming.

Eight o'clocks are an abomination. Especially so to "Will," and after enduring them for two years and the S. A. T. C. period, he moved to a nearer room, only to find that he had no eight o'clocks that term.

We expect to hear of great things in the near future with the name of Will attached, and wish him the greatest of success.



AFTERMATH



NORMAN HUDSON WILLBY

"Duke"

TBII ΣΞ

Electric

Born Feb. 17, 1899, Bridgton, Maine.
Prep. Bridgton High School; Entered
W. P. I., 1916.

"1920" Basketball

The "Duke of Bridgton" is from Maine and he never ceases to impress this fact upon us. No sooner can the subject of scenery be mentioned than he bursts forth in praise of Maine lakes. This consistently results in an argument, and in a wordy battle "Duke" is right there. In the first place, when well under way he is some talker and he can usually carry out Piggy's fundamental rule of debate, "If you can't convince, confuse." In

the second place, he knows more of what he is talking about, except women, than the rest of us. If argumentation fails to give a decision he will resort to his most faithfully ally, a bet. He will bet on anything, even New England weather, and when he resorts to this method of convincing you it is time to withdraw as gracefully as possible, for it will rain at a given second if he bets on it.

This state has no official board of censorship for shows, but unofficially "Duke" is "it." His record is nine shows in three days and at four of these he saw the same Pathe Weekly and at two of them the same feature picture. The third day, he had to walk all over Boston to find a musical comedy he had not seen.

Freshman year, "Duke" was a member of our championship class basketball team, but since that time he has confined his efforts to the lessons assigned. His success here was marked by admission to Tau Beta Pi last year. Perhaps his achievements may be accredited to the lack of one disturbing influence for students at W. P. I.—women. We must qualify this, however, and make an exception of chorus girls of musical comedies, for from appearances he leases a front row orchestra seat by the year. "Duke" was known to have sat as many as four rows back with a young lady from the home town, but he maintains that his eye-sight was severely strained.

From our associations with "Duke," we feel that whatever line of work he may take up the qualifications he has shown will stand him in good stead.



AFTERMATH



EDWARD ELLIOT WOLFE

"Eddie"

ΣΩΦ

Scholom Aleichem

Chemist

Born January 9, 1889, Worcester, Mass. Prep. Worcester South High School; Entered W. P. I., 1916.

Orchestra (1, 2, 3, 4); Musical Association Secretary (3); Sceptical Chymists (2, 3, 4); Council (3, 4).

Just picture to yourself a chap of small stature, with a face all freckles, always wrinkled with a smile, forcing his way up Boynton Hill on a Smith Motor Wheel, and you have a faint idea of "Eddie".

"Eddie" came to Tech from South High with the avowed purpose of never getting a "D" in anything. But he had not as yet met "Doc" Ingraham or the Kaiser.

Outside his studies, the Tech Orchestra held his attention. As a violinist "Ed" had very few equals in the school. But musical clubs were too tame for one of his nature and he sought a larger field in which to display his capabilities.

Subsequently, dancing and the fair sex held his attention. Here he applied his analytical ability and after varied experimentation became interested in a prominent member of the present Freshman class (some of our Freshmen are blessed with sisters, it seems). Above all, "Eddie" likes them best just his size.

The S. A. T. C. found "Eddie" as a "corpuscle" in Co. A. It was here that he displayed his great will-power—finally being able to shout "Twelfth squad, all present or accounted for," during the short interval of one second, without changing the word-order, and making it sound like one grand blur-r-r-r.

Next to his interest in the fair sex, and in the "especial characteristics of olive oil," wrestling is his hobby. In his own words: "I could easily beat that man from Holden if my wind only held out". He is a terror on a wrestling mat.

However, "Eddie" will always be remembered as a rare good fellow with a boundless good humor, sure to win him success.



AFTERMATH



ALBERT LESTER WOODWARD

"Woody"

Mechanic

Born March 12, 1896, Hudson, Mass.
Prep. Hudson High School; Entered W.
P. I., 1915.

In search of the treasure of knowledge, "Woody" determined that it was stored on Tech Hill, and since his matriculation at W. P. I. he has valiantly battled to accumulate his share of it. Although he never approached the realm of a grind, he was always sure to acquit himself becomingly in his classes. In fact his reliability and steadiness at all times are so well grounded that the possibility of his failure in any chosen work has long since been relegated to the class of hen's teeth, blue blackbirds and

other like absurdities. "Al" is particularly in his sphere when in the machine shop. On account of a wide experience as an all-around machinist, gained during the Summers and other times when he had a week or more vacation from school, "Woody" had no difficulty at all in completing the work prescribed for a semester in shop practice several weeks before the expiration of the term.

During "Woody's" Sophomore year it happened that there was a vacancy on the track team which had to be filled on short notice in order that the team might carry out a scheduled track meet. Nobody with track experience could be found to take the place, but when "Al" was asked to join the team for the occasion he consented, although he had no track practice, and he won credit for his team in the meet. During the war, in March of 1918, "Al" enlisted in the aviation service as an aviation mechanic. He got his preliminary experience on the aviation fields of Texas and subsequently was sent with his company to England. In England, the training of the Company was completed, and it prepared to cross the channel into France. Just at this time the Armistice was signed and "Woody" lost no time in getting out of the service and back to school the following January. "Woody" will, as in the past, always prove a credit to himself and the class, and when in years to come he is engaged with the stern duties of life, he may ever be assured of the sincerest friendship of his classmates.



AFTERMATH



OLIVER REYNOLDS WULF

"Ollie" "Bush"

ΣAE Skull TBH ΣE

Chemist

Born April 22, 1897, Norwich, Conn.
Prep. Norwich Free Academy; Entered
W. P. I. 1915.

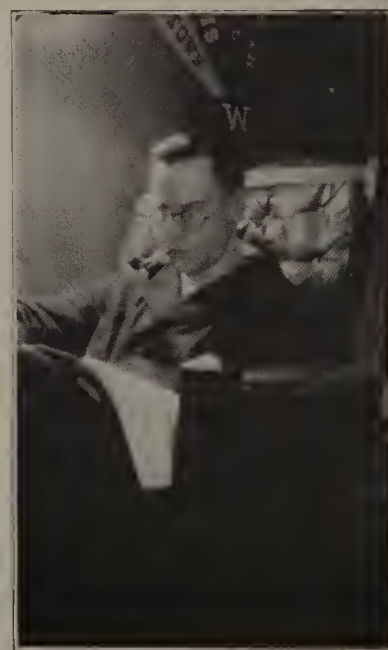
Sceptical Chymists, President (3); Ju-
nior Prom Committee (3); Commence-
ment Committee.

Here we have "Ollie", or "Bush", call him either, it doesn't worry him. "Ollie" doesn't really belong with us, but the Navy was the cause, not the Kaiser. A scientist, a student, a swimmer, a tennis player, a football man, a mandolin picker, and a professional heaver, what more could you want? But just take a look at that long, slick hair; wouldn't that top it all?

"Ollie" is primarily a scientist, but that doesn't prevent him from being one fine fellow. He knows how to work and learn a lot, and still be one of those rare persons, who thinks he knows nothing at all. We all know otherwise, for ever since that Summer he put in with "Doc" Daniels, he has so far eclipsed the rest of us with coronas and high frequency oscillating discharges, that we have given up trying to understand him.

A man with a broader knowledge would be hard to find. From Einstein's theory to the depths of Spiritualism he can tell you at least something about them all, but one hand of pinochle and he's the same old Ollie. He isn't much of a social bear, at least not around Worcester, but from the amount of letter-writing he does, we are sure that the fair sex receive due attention.

We predict for "Ollie" a most successful career, for he is a hard worker, and also one who can make and keep many friends.



AFTERMATH



THOMAS HAMILTON WYLLIE

"Tom"

Civil

Born April 24, 1895, New York, N. Y.
Prep. Rogers High School, Newport,
R. I.; Entered W. P. I., 1913.

Commencement Committee.

Here we have "Tom" Wyllie, the third red-head of the 1920 Civils, who comes to us from the Class of 1917, after serving in the 1st Engineers over across for two years, winning a commission as First Lieutenant, and learning French and much about life in general. (Oh, you gay Paree!)

"Tom" calls Newport his home town, and has endeavored to uphold its glory by showing us how to enjoy the social life at Tech. He is a wonderful dancer, as many fair

Worcesterites will testify, having profited by his lessons received "over there". He never misses a dance or basketball game, and is usually escorting as clever a dancer as himself, though it is never the same one, so we assume that "Tom" is safe for a time.

As a wielder of the tennis racquet, "Tom" is hard to beat. He placed in the semi-finals in the tennis tournament last Fall. At squash, "Tom" can find no one to give him any competition. Basketball is another of his strong points, as the Senior Mechanics will testify, for he puts as much "pep" into this as he does into everything else.

But even though "Tom" has had time for all these outside attractions, he has never neglected his work, as his reports will show. The manner in which he has tackled "Pa's" problems in structures, and kept "Charlie" Allen from contradicting himself in Hydraulics, shows that he is here to get something out of the course.

So it is, by his bright red top, his hearty laugh, his ready fun, and industry ye shall know him as a member of the Class of 1920, one the class is proud of and whose future, it is prophesied, will be as bright as his ruddy hair.



AFTERMATH



ALMON KEMP LINCOLN

—NINETEEN HUNDRED TWENTY—

AFTERMATH

ALMON KEMP LINCOLN

Almon K. Lincoln, second son of Edwin Hale and Hattie Kemp Lincoln, was born in Worcester, Mass., September 30th, 1895, while his mother was visiting in that city. His parents were residents of Dalton, Mass., at that time, but a few months after, removed to Pittsfield, which city has always been his home.

He was educated in the Grade and High Schools of that city, graduating from the latter in June, 1914. He was employed until September, 1915, when he entered the Freshman class of the North Carolina State College at West Raleigh, N. C. He left without finishing his Freshman year, and in September, 1916, entered the Worcester Polytechnic Institute, Class of 1920. He was elected President of the class at the first meeting, Sophomore year, which honor he held at the time of his death.

He enlisted February 21st, 1918, in the Signal Corps of the United States Army. Division of Military Aeronautics, but was allowed to finish his Sophomore year and was not called into service until May 28th, when he reported at Princeton University for study and instruction in the ground work. He graduated in the class of September 7th, 1918, and was ordered to report at Camp Dick, Dallas, Texas, whence he was ordered to Call Field, Wichita Falls, for instruction in flying. On December 3rd, he was flying with his instructor, Lieut. Holburn at an elevation of a few hundred feet, when the machine was seen to be in trouble. It went into a nose dive and fell to the ground, killing Lieut. Holburn and Cadet Lincoln instantly. It was afterward found that there was an accident to the machine, causing the fall. Had it happened at a greater height, it is probable they could have gained control of the machine before striking the earth.

The bodies of the two aeronauts were sent home the day following, being escorted to the train by the entire force of Call Field, and the train was accompanied an hour longer by a fleet of aeroplanes. Cadet Lincoln's body, with its guard, reached his home two days later, and now rests in the cemetery of that city. On the stone which marks his resting place is inscribed "*Almon K. Lincoln, 1895-1918. Dulce et decorum est patria mori.*"

RESOLUTIONS

Passed by the Class of Nineteen-Hundred and Twenty, Worcester Polytechnic Institute, Worcester, Massachusetts, December the Third, Nineteen Hundred and Eighteen, upon the death of their classmate, Cadet Almon Kemp Lincoln, U. S. A., who was killed December the Third, Nineteen Hundred and Eighteen.

WHEREAS, the hand of the Divine Providence has enlisted our classmate and president, Cadet Almon Kemp Lincoln, who, by perseverance and faithful-

AFTERMATH

ness and genial disposition has attained a high rank amongst those who were his nearest and dearest friends; Be it therefore,

Resolved, That in the death of Cadet Almon Kemp Lincoln, to whose memory this is just a modest tribute, the Class of Nineteen Hundred and Twenty of the Worcester Polytechnic Institute has lost a classmate who will ever be remembered by us all as a good fellow with true class spirit and love for his college.

Resolved, That we extend our heartfelt testimonial of sympathy and sorrow to his relatives in their great loss of one so dear to us all.

Resolved, That a copy of these resolutions be sent to the family; that a copy of these resolutions be published in the Journal of the Worcester Polytechnic Institute, in the Pittsfield Eagle, in the Worcester Gazette, and in the Worcester Telegram, and that they be recorded in the minutes of the Class of Nineteen Hundred and Twenty.

(Signed)

HERBERT E. BROOKS,
PAUL J. HARRIMAN,
G. RICHARD TITCOMB,
MALCOLM B. ARTHUR.

Committee.



AFTERMATH

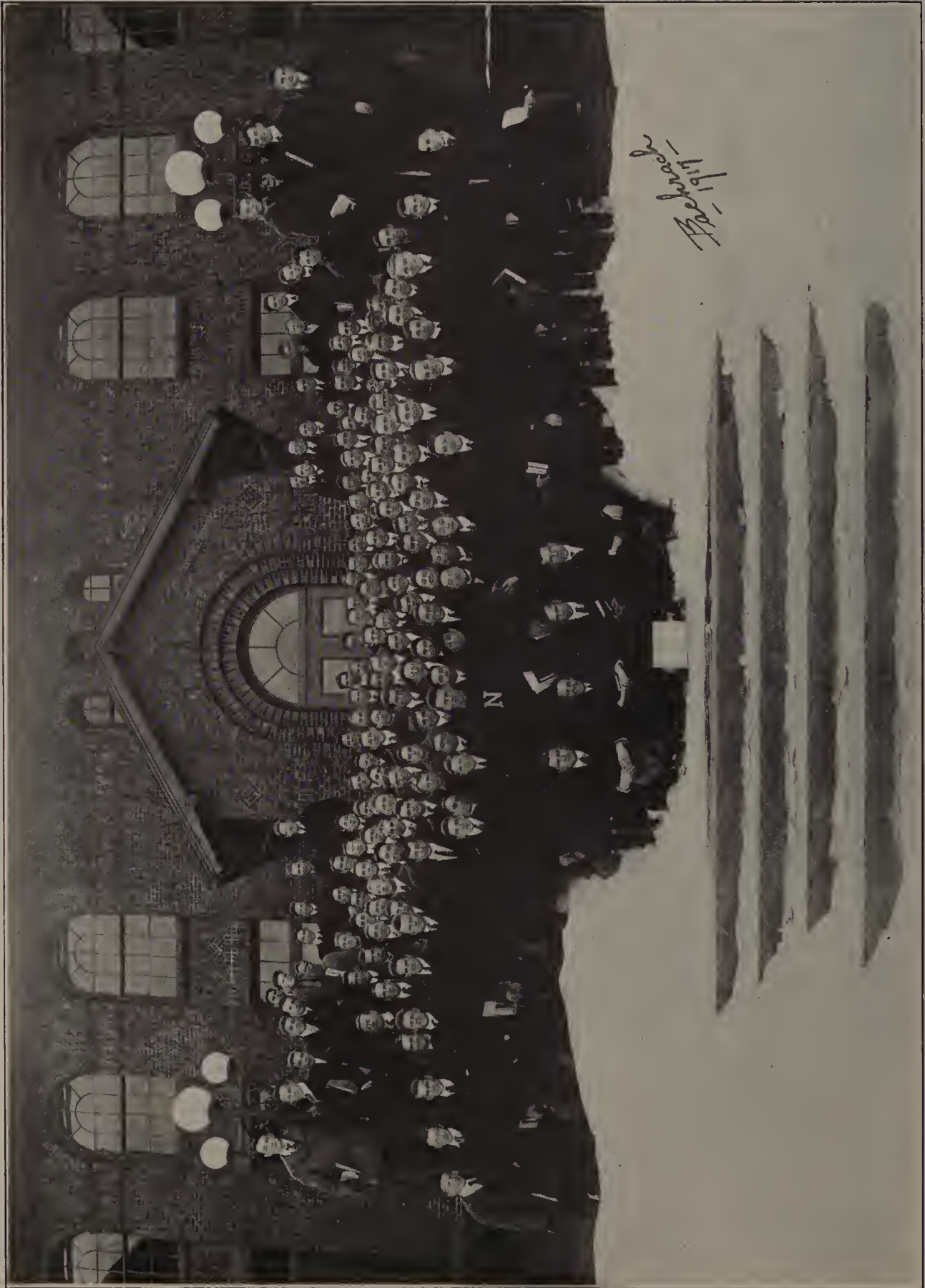


PERMANENT OFFICERS 1920

*President, M. B. ARTHUR; Vice President, G. L. WHITE; Secretary,
M. C. COWDEN; Treasurer, H. G. HUNT.*

—NINETEEN HUNDRED TWENTY—

AFTERMATH



1920 AS FRESHMEN

—NINETEEN HUNDRED TWENTY—

AFTERMATH



1920 AS SENIORS
(Members of Original Class in Same Positions as in Freshman Picture Opposite.)

—NINETEEN HUNDRED TWENTY—

AFTERMATH

Freshman Year

OFFICERS

President

Vice President

Secretary

Treasurer

FIRST HALF

C. H. NEEDHAM

G. R. RODEN

G. A. MIDWOOD

T. B. CARD

SECOND HALF

C. H. NEEDHAM

F. H. MILLS

K. R. PERRY

R. W. HORNER



C. H. NEEDHAM

—NINETEEN HUNDRED TWENTY—

AFTERMATH

Promptly at nine o'clock on Wednesday, September 20, one hundred and eighty-six very green Freshmen assembled in the Chemistry Lecture Room, to start their four years (or more) of Tech. After a short address by President Hollis, and some sound advice by Prof. Coombs regarding what we should find at the foot of the stairs, we meekly paid our seventy-five cents, and went down the line with our new caps.

The next morning we started on the grind of class work which we learned to love so well, but not without some relaxation, for on the following Saturday night the Y. M. C. A. reception was held in the new gymnasium. After listening to President Hollis and other speakers, we drank our cider and ate as many doughnuts as we could get, talked with upper classmen and admired the new building. Monday night following we went to the Y. M. C. A. Freshman reception, to meet our fellow classmen.

On October 14, we went as usual to our nine o'clocks only to learn that Tech had lost one of its Professors in the death of Professor Conant. The following day school was adjourned in his memory.

Tuesday, the fifteenth of October, we assembled in high spirits on the Park Avenue side of the pond, to cheer our team in pulling the Sophomores through. But such is life at Tech: we suffered a big disappointment, for our sturdy crew of forty went wading in the pond. We were allowed one consolation, for the Sophomores were unable to advertise their victory, as they could hold no parade.

AFTERMATH

The next day we again went down the ladder of fortune and were beaten in a close game of baseball by our enemies, with a score of 1 to 0.

After a long period of steady routine, we again unlimbered and all went to that memorable Tech Carnival, where "Doc" Bonnet showed us that he could do more than lecture on chemistry.

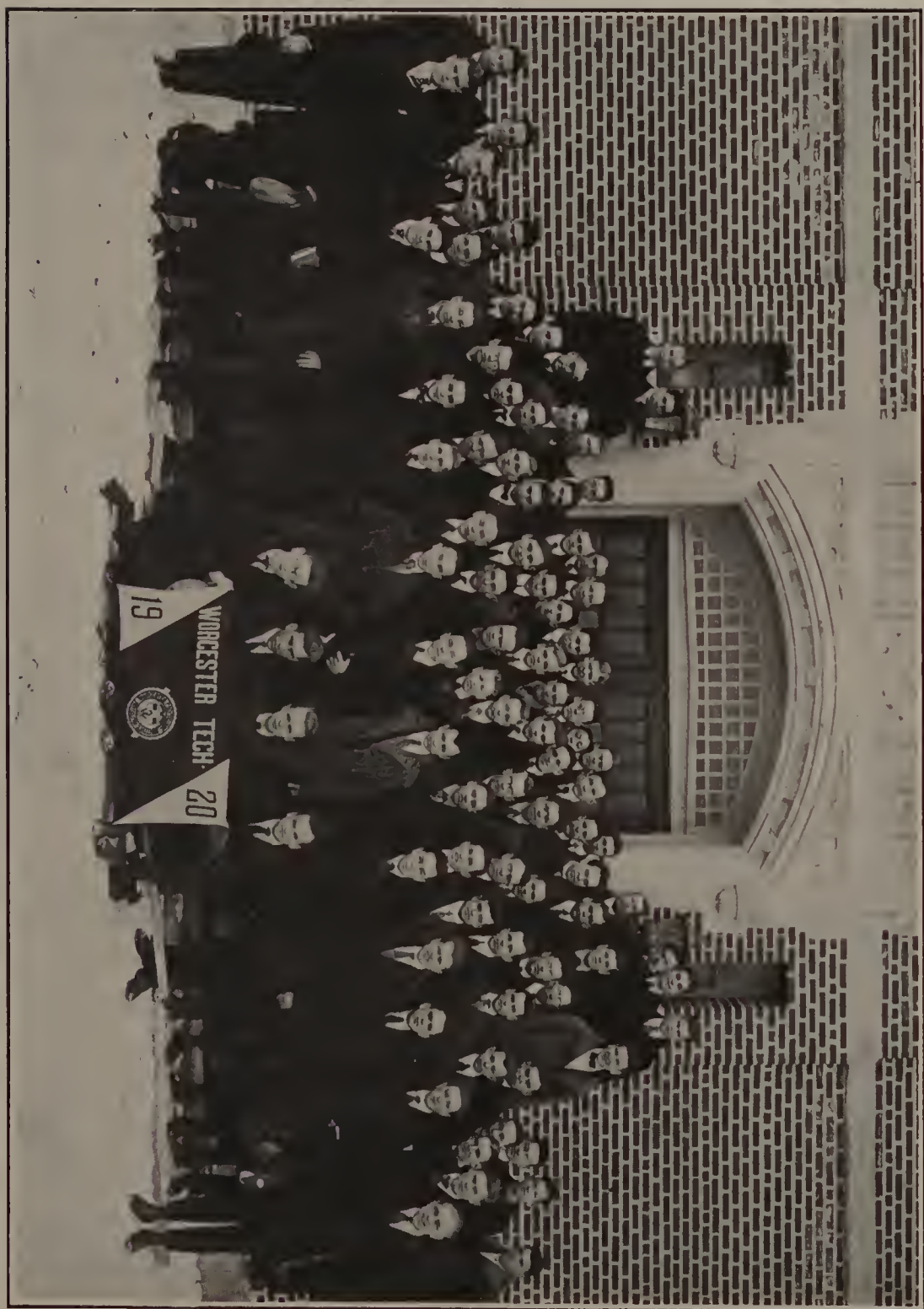
Then came our first mid-years and with it the exams. Long did we cram and many were the hours we worried over those fateful exams which are now forever over. There are few of us, indeed, who will forget the stiff fingers we carried from that famous marathon of the pen, held on the third floor of old Boynton Hall.

On February 5 we celebrated our more or less successful battle of mid-years, and went to our first Tech Night at Poli's. On the twentieth of the same month we held our first banquet at the State Mutual Restaurant, after which we went back to work until the Tech Show, which was held March 30.

April 6, the Declaration of War against Germany—who will forget that date, when we were all wondering what we could do and what would happen at Tech? Our hopes were high, and little did we think that it would not be until our Junior year that as a class we could actually take part in the war. Three weeks later most of us went out for those few afternoons of military training on Alumni Field.

Final exams, and commencement finished our first year at the Institute. May we always remember it as the first of the four best years of our lives!

AFTERMATH



1920 AS SOPHOMORES

—NINETEEN HUNDRED TWENTY—

Sophomore Year

OFFICERS

President
Vice President
Secretary
Treasurer

FIRST HALF

A. K. LINCOLN
I. R. SMITH
F. C. STEVENS
C. M. LYMAN

SECOND HALF

A. K. LINCOLN
F. C. STEVENS
H. E. DRAKE
M. B. ARTHUR



ALMON KEMP LINCOLN

AFTERMATH

With the opening of the school year in the Fall of 1917, there returned one hundred and twenty-four of our classmates, to try their luck once more at the game of getting an education, during a year which turned out to be one of the most eventful in our history. With our country at that time fully engaged in the wartime pursuits, we all had the impulse to get in and help push the affair to as speedy a finish as possible. A large number of our friends, nearly one-fifth of the men enrolled at Tech the preceding year, had already enlisted or been drafted. Not only students, but several members of the Faculty were quick to answer the call. The rest of us, following the advice of those higher up, decided to remain in school until called by the government to take a more active part.

In the customary interclass contests with the Freshmen, we were not very successful, losing the rope-pull, track and baseball events. However, even with their larger class from which to pick the teams, they had to show a lot of fight for their victories. The soccer team fared much better, and succeeded in placing 1920 on the trophy for the second time in the two years of competition. After the first "practice" game with the Juniors, which resulted in a score of 2-1 for us, we were ready for our rivals, the Freshmen, whose lot it was to fall to the tune of 7-0.

After considerable discussion at a special class meeting, it was decided to call off the annual Sophomore banquet, for obvious reasons. These troublesome times were bringing calls for patriotic aid from all parts, and accordingly it was voted that the money which might have been used for this purpose be given by the men individually to the Y. M. C. A. War Fund Campaign then in progress.

The second annual Tech Carnival held this year proved to be very successful, both as regards the interests of those present, and also financial interests. A very lively program was presented, and from the start of the first fraternity sketch right up to the last dance, there was not the slightest chance to lose interest. Music and amusing incidents occurring in school life made up the larger part of the theatrical performance, and the Tech Orchestra furnished music for dancing later.

AFTERMATH

Midyears passed and found our ranks still more depleted than before. However, too hasty a conclusion should not be drawn from the statement, as Exams are not the only cause for men to leave college. Rumors had been circulating for some time to the effect that Tech was soon to be taken over by the Government, and although it was denied by those who might know, it is interesting to remember how soon after that very thing was done. Men had been leaving during the term, and many others enlisted after taking the midyear exams, so that at the start of the second term, there were hardly a hundred of our class left. Others accepted the opportunity offered by the Bureau of Navigation at about that time, and enlisted in the Naval Reserve, but were not called into active service. The effect of the war and accompanying troubles was beginning to be felt more directly by those of us who stayed back. Several more of our friends in the faculty left to give their assistance to the Government. The coal situation became so serious, that in February the Gymnasium was temporarily closed, thus presenting quite an inconvenience to those of us who were in the habit of forgetting our cares in a game of basketball or other exercise there.

Tech's "dancing schedule" was brought to a successful close with the second annual Sophomore Hop, for which, nearly a hundred couples gathered together in the Gymnasium, to enjoy this last opportunity to trip the "light fantastic." A very delightful program, with all the decorations and other things, was arranged, and made especially attractive by two moonlight waltzes, so that the affair will be remembered by those present above all other informal dances, as a distinctly different sort of a time.

Spring vacations and other holidays were made unusually conspicuous by their absence this term, and after the long steady grind of the concentrated schedule from midyears to finals, we left, to recuperate under a different kind of work.

AFTERMATH



1920 AS JUNIORS

—NINETEEN HUNDRED TWENTY—

AFTERMATH

Junior Year

OFFICERS

President
Vice President
Secretary
Treasurer

FIRST HALF

G. L. WHITE
G. H. ANDERSON
L. STONE
H. G. HUNT

SECOND HALF

M. B. ARTHUR
H. E. BROOKS
L. STONE
H. G. HUNT



G. L. WHITE

AFTERMATH

Hale, Harold Preston.
 (HALL, WILLIAM WHEELER, JR.), 55 Maplewood Street, Malden, Massachusetts
 (Hammond, Allen Dexter).
 HARRIMAN, PAUL JONES, 25 Windsor Street, Haverhill, Massachusetts.
 Hastings, Whitney.
 Heald, Richard Allen.
 Heald, Roger Newton.
 (HEATH, RAYMOND BENJAMIN), Mystic, Connecticut.
 (HEINRITZ, MAURICE WHITE), 44 Olive Street, Clinton, Massachusetts.
 Henault, Philip Armand.
 HENCHMAN, RUSSELL BUNCE, JR., East Jaffrey, New Hampshire.
 Heywood, George Henry, Jr.
 HILL, ALLAN WINSHIP, 181 Sisson Avenue, Hartford, Connecticut.
 Hill, James Henry.
 HILL, PERCY ALBIN, 32 Chilmark Street, Worcester, Massachusetts.
 Hill, Warren Rhodes.
 Hofstedt, Herbert Frederick.
 Holden, Henry Knowles.
 (HOLMES, FRANKLIN THEODORE), 33 Arch Street, Springfield, Massachusetts.
 HOLMES, JOHN QUIMBY, 43 Park Street, Springfield, Vermont.
 Holton, Albert Morton.
 Horner, Robert William.
 Hough, George Vernon.
 Howard, Albert Luce.
 HOWES, DOUGLAS EDWARD, Ashfield, Massachusetts.
 (HUGGINS, CHARLES NEWELL), 1091 Franklyn Street, Portland, Oregon.
 (Hughes, Harold James Thomas).
 HUNT, HAROLD GORDON, 16 Benefit Street, Worcester, Massachusetts.
 HUNTER, HAROLD FREDERICK, Spencer, Massachusetts.
 Jackson, Henry Walker.
 Jacques, Harold Dewey.
 Jandron, Louis Emile.
 Jerz, Walter John.
 (JOHNSON, GUSTAVE VERNER), 22 Sumner Street, Attleboro, Massachusetts.
 (JOHNSON, HELMER PHILIP), 38 Agate Avenue, Worcester, Massachusetts.
 Johnson, Norman Turner.
 Johnson, Richard Francis.
 Killars, Max.
 (Kimball, Hosmer Robbins).
 Kimball, James Read.
 (Langevin, Arthur William).
 Laverty, Francis John.
 LAWRENCE, WINTHROP STANLEY, Falmouth, Massachusetts.
 Lawton, Cyril Cadwell.
 LAWTON, WILLARD ELLIOTT, 5 Wesby Street, Worcester, Massachusetts.
 LEAVITT, ROGER PHELPS, 18 So. Spring Street, Concord, New Hampshire.
 (Leland, Raymond Clarence).

AFTERMATH

Lincoln, Almon Kemp.
Linehan, John Clement.
(Lockey, Harold Holden).
Lu, Wen Siang.
Lyman, Charles Martin.
(Magoun, Frederick Hamilton).
(Mahaney, Walter Thompson).
Malm, Edwin Lemuel.
MARKS, NORMAN PRESTON, 1046 Cooke Street, Waterville, Connecticut.
(MARSH, BURTON WALLACE), 56 Park Vale Avenue, Allston, Massachusetts.
MARTIN, RICHARD HADLEY, 248 Prospect Street, Manchester, N. H.
Martin, William Ladd.
MATTE, GERARD AMBROSE, 24 Brooks Street, Worcester, Massachusetts.
McCaslin, Stanley Nutting.
(McDonald, James Arthur).
MEADER, RAYMON FRANCIS, 10 Pine Street, Whitinsville, Massachusetts.
(MERRITT, HARRY CHAMBERLAIN), 28 Holden Street, Worcester, Massachusetts.
Midwood, George Albert, Jr.
Mills, Fred Hamer.
(Moelter, Henry Bescher).
(Moran, James Joseph).
Morgan, Winthrop Thomas.
Morse, Frank Albert.
Mossberg, Harold Frederick.
Murray Albert Nelson.
Needham, Charles Howard.
Newman, Alfred Cecil.
(NIERENDORF, OSCAR AUGUST), 463 New Britain Avenue, Hartford, Connecticut.
(O'Hearn, Robert Francis).
O'NEIL, CARLTON JEREMIAH, 7 O'Neil Street, Hudson, Massachusetts.
PARKER, EDGAR, Main Street, North Easton, Massachusetts.
(PARSONS, CHARLES WARREN), Rye, New Hampshire.
Pearson, Russell Hilton.
Peel, Ernest Alfred.
Periera, Ricardo Gonsalves.
Perry, Gilbert Fisher.
Perry, Kenneth Randolph.
(PETERSON, ROBERT ARVID), 5 Bleeker Street, Worcester, Massachusetts.
PETERSON, ROBERT MILTON THURE, 3 Blodgett Place, Worcester, Massachusetts.
Pickett, Harold Chesley.
Pierce, Clayton Tyler.
Potter, Lawrence Stearns.
Prince, Ralph Adams.
(QUIMBY, MALCOLM JESSE), Foxboro, Massachusetts.
(RABINOWITZ, SAUL), 38 Barclay Street, Worcester, Massachusetts.
Radom, Myron Michael.
Rahm, Louis Frank.

AFTERMATH

REINERS, FREDERICK EDWARD, 29 Irving Street, Worcester, Massachusetts.
REINSTR, ALBERT RICHARD, 28 Prospect Street, Whitinsville, Massachusetts.
Robertson, Raymond Dyson.
Roden, George Robert, Jr.
Roll, Charles Spear.
Roman, Harold George.
(Roraback, George Washington).
Rundlett, Raymond Crawford.
Ruoff, Chester Albert.
Russell, Alan Woodworth.
(RUSSELL, KENNETH CLIFFORD), Harvard Massachusetts.
SANBORN, HOBART DIXON, 46 Province Street, Laconia, New Hampshire.
Sandstrom, Herbert Paul.
SANFORD, BAALIS, 517 6th Avenue, Great Falls, Montana.
(SARGENT, HOWARD CROSBY), 49 Oliver Street, Malden, Massachusetts.
Saunders, Richard Waterman.
(SEARS, ARTHUR COLTON), 50 High Street, Dalton, Massachusetts.
Sharpe, Percy Gordon.
Shaw, Albert Marcus.
(SHEA, WALTER BERNARD), 634 Southbridge Street, Worcester, Massachusetts.
Sherman, William Van Duesen.
Shevitz, Leon.
Shields, James Aloysius.
(SHUTE, JAMES MADISON), Uxbridge, Massachusetts.
Sjostrom, Raymond Bruce.
SMITH, FRANCIS EDWARD, Leicester, Massachusetts.
Smith, Irving Rumrill.
Smith, Walter.
Smith, Wilder Stephen.
Sosinski, Paul Peter.
(Sprague, Fred Lewis).
(STANGE, RUDOLPH CARL), Orange, Massachusetts.
Stevens, Frederick Clayton.
Stevens, Homer Everett.
(Stevenson, William, Jr.).
Stinziano, Henry Joseph.
STONE, LELAND, Otter River, Massachusetts.
Strickler, Harry Oscar.
Strong, Ralph Leonard.
Tan, Shao-fan.
TENNEY, HARRY WILLIS, 44 Fruit Street, Leominster, Massachusetts.
Terwilegar, Fred Albert.
THAYER, ERNEST LEANDER, High Street, Uxbridge, Massachusetts.
TOWNSEND, HENRY BAILEY, 10 Quincy Street, Medford Hillside, Massachusetts.
Titcomb, George Richard.
Titus, Augustin Charles.
Tower, Lloyd Lincoln.

AFTERMATH

Towle, Cleo John.

TOWNSEND, HENRY BAILEY, 10 Quincey Street, Medford Hillside, Massachusetts.
(TROT, RAYMOND PAGE), Friend Street, Wenham, Massachusetts.

Tsen, Yeo Kung.

(Tsu, Feng Chang).

Upton, Herbert Hawkes.

Walton, Harold Frederick.

Warren, Roger Stanley.

(WEITZEN, FRED), 39 Water Street, Torrington, Connecticut.

Whipple, Joseph Waldo.

WHITE, GEORGE LANSFORD, Housatonic, Massachusetts.

(White, Harold Steinmetz).

Whitney, Hobart Arthur.

WIGHTMAN, LESTER CRAWFORD.

(Wilkie, George Francis. Jr.).

WILL, IRVING MARTIN, 14 Avenue de Joinville, Nogent sur Marne, Seine, France.

WILLBY, NORMAN HUDSON, Lebanon, New Hampshire.

(Williams, John Warren).

Winckler, George Axel.

Winslow, Earl Holden.

WOLFE, EDWARD ELLIOTT, 934 Main Street, Worcester, Massachusetts.

Woodman, Charles Lorenzo.

(WOODWARD, ALBERT LESTER), 31 Apsley Street, Hudson, Massachusetts.

Woodward, Harold Stone.

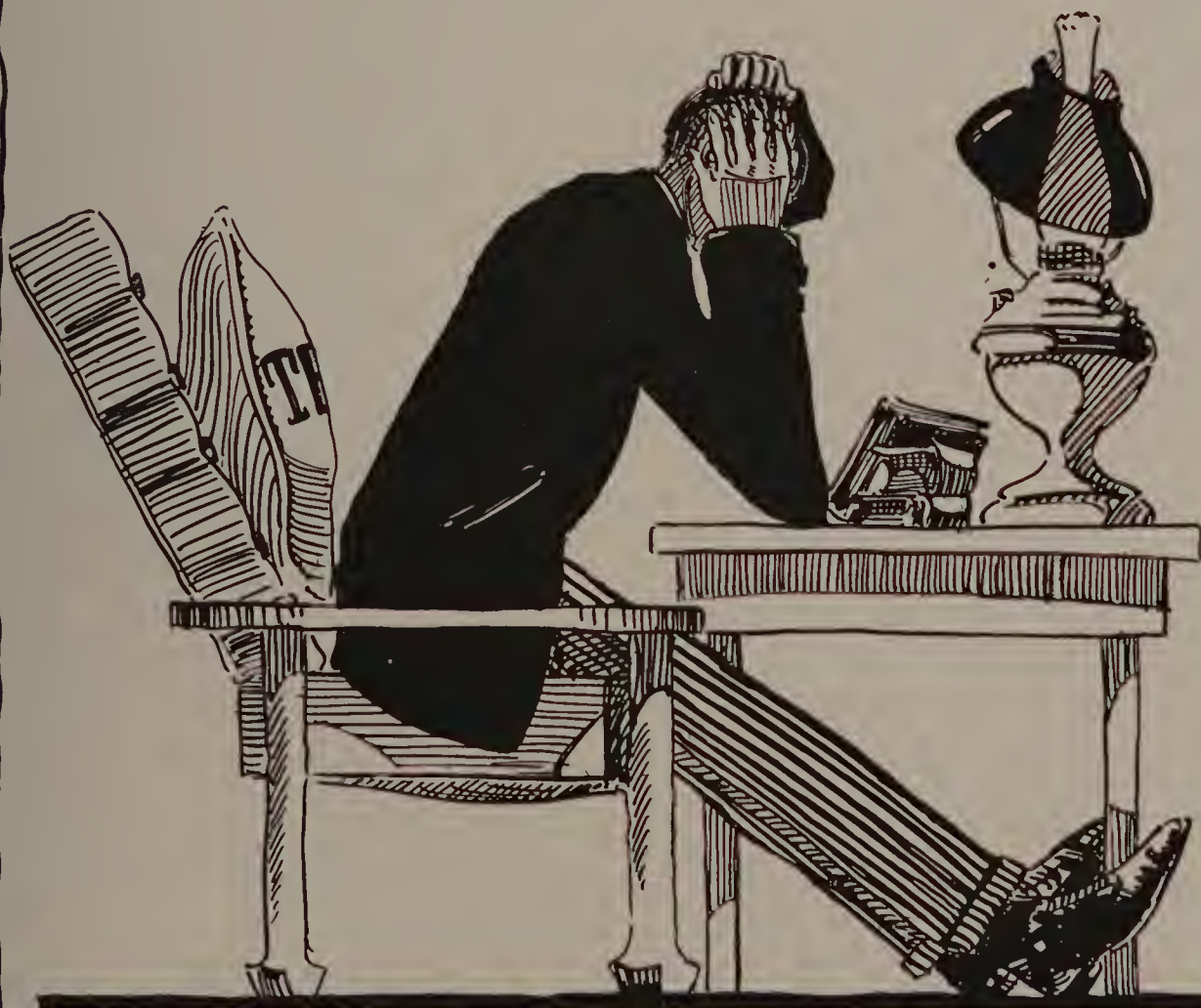
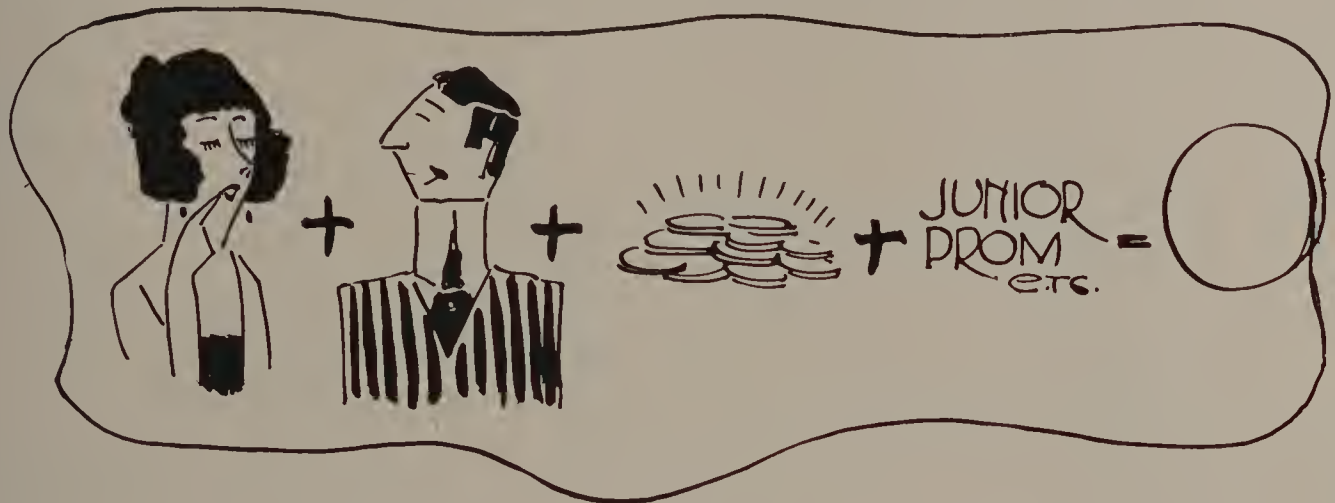
Woodward, Guy Follansbee.

(Wright, Frank Leonard).

(WULF, OLIVER REYNOLDS), 168 Grove Street, Putnam, Connecticut.

(WYLLIE, THOMAS HAMILTON), 399 Thames Street, Newport, Rhode Island.





Carson
22

JUNIORS

AFTERMATH



NINETEEN TWENTY-ONE

—NINETEEN HUNDRED TWENTY—

AFTERMATH

CLASS OFFICERS 1921

FIRST HALF

President
Vice President
Secretary
Treasurer

R. G. FERGUSON
W. N. DUDLEY
I. R. SMITH
G. H. BROWN

SECOND HALF

W. W. CAMPBELL
P. K. DAVIS
I. R. SMITH
P. S. SESSIONS



AFTERMATH

THE JUNIOR CLASS

Name	Course	Name	Course
Aldrich, Chester William	Ch.	Carpenter, Howard Sellew	Ch.
Allen, Clarence Boyden	M.	Chace, Myron Dewey	E.
Anderson, Carl Eugene	M.	Chapman, Robert Edwin	E.
Anderson, Hans Enar	M.	Condit, George Peck	M.
Anno, Anthony Joseph	M.	Conlin, Francis Patrick	E.
Archibald, John Osborn	M.	Crane, Howard Partridge	M.
Ashley, David Pierce	E.	Cross, John William	C.
Backlin, Elof Gunnar	M.	Crossman, Kenneth Ward	M.
Bagley, Raymond John	E.	Cushing, Charles Summer	C.
Barker, Bryan Woodward	E.	Davis, Philip Kees	C.
Bean, Lawrence Guy	M.	Drake, Howard Eliot	Ch.
Benz, Frederick Dewey	M.	Draper, Ralph Lemuel	M.
Bergwall, Anton	M.	Dudley, James Otis	E.
Besa, Hernan	E.	Dudley, William Nourse	C.
Black, Harold Stephen	E.	Eldred, Robert Moseley	M.
Bolles, Carlton Francis	E.	Ferguson, Robert Graham	E.
Brennan, Edward Michael	M.	Fielder, Walter George	C.
Briggs, Stuart Wallace	C.	Fisher, Edward John Paul	Ch.
Brown, Frank Kinney	E.	French, Orville Bourdon	E.
Brown, Gardner Westinghouse	E.	Gleason, Harold Hinckley	E.
Brown, Wesley Henry	Ch.	Goddard, Dorrance	M.
Burleigh, Edward Irving	E.	Goddard, Myron Charles	E.
Calder, Walter Lyman	C.	Goodman, Myer Samuel	Ch.
Callahan, Cornelius Anthony	Ch.	Graff, Milton Werner	E.
Campbell, Wendell Whitcomb	M.	Grange, Harold Benjamin	Ch.

AFTERMATH

“Detail Halt!”

“All present or accounted for.”

In this military manner the year 1918-19 was started. The hours between 6:00 A. M. and 10:00 P. M. were in general occupied by classes and “stupefied study periods,” while the arts of war in the field, barracks, messhall, and hospital furnished a means of occupying otherwise free hours.

Football suffered as a result of the S. A. T. C. and the “Flu” at the same time. Only four games were played, one a tie with N. H. State, and the others all lost. Perhaps the one to be remembered longest was with Holy Cross—a wild, exciting game which our army and navy forces attended as a unit.

The signing of the armistice brought about a change back to civil life, and the Army and Navy Dance provided a fitting celebration of this change, and also an occasion greatly enjoyed by all; coming as it did just before the holidays.

The evening of January 24th was one long to be remembered by the people of Sterling and a certain sixty or more Juniors. A wild ride on the Worcester Consolidated, with slight damage to the latter, preceded the regular ceremonies. After a good banquet, speakers, and a little added stimulus, the fire department was called out. He was soon dismissed and when the rest of the town had been inspected, the Half Way Through Banquet broke up and returned to the City of Prosperity.

A return to military life featured in several acts of the Carnival, while others appealed to the more peaceful interests, with the musical element quite prominent. Freshman-Sophomore contests also furnished amusement, and it required only the dancing afterward to make the affair one not soon to be forgotten.

Tech Night at Poli’s opened with an artillery attack by the chemists, and there were few places in the house that their torpedoes did not reach. The barrage was

AFTERMATH

lifted however, after the almost futile attempts of the manager to make himself heard, and with the appearance of the actors and actresses, the attacks gave way to a loud but harmless expression of appreciation.

A record-breaking team showed up in basketball, and many of our old opponents were forced to change their opinions of our athletic abilities. There were only two teams which we did not surpass at least once, and the total scores of the season showed 371-309 in our favor. Our rival, N. H. State, was made to bow before us to the tune of 27-26 in the fastest and closest game of the season, one which will be remembered above all others for the enthusiasm aroused in everyone present.

House-party week was by far the most eventful for years. The Junior Prom held first place on the program, and it will be a long time before this enjoyable evening at the Bancroft will pass from the memories of those who were there. The Rensselaer baseball team featured in the program of the following day, and some 1200 voices helped cheer our team on to its victory of 12-3. At the same time the tennis team was serving up another of its numerous victories. Immediately following, came that most interesting exhibition, the rope-pull, in which it fell to the Sophomores to take the part of the conquered after a stiff ten-minute battle. Officially, the week end was brought to a close with the presentation of "Polly With a Past" at the Worcester, which took the place of the usual show by Tech men, but many couples were seen lingering in the local parks the next day.

The athletic record already established, was continued during the baseball season. Only a rain prevented a score of more than 11-0 from being rolled up against Trinity in a five-and-a-half inning game; and even though it did take twelve innings when we fell on Middlebury, we fell hard and heavy.

In contrast with the military start, the end of this year came quite normally, with nothing more eventful than the usual "finals."

AFTERMATH



1920 AS SENIORS

—NINETEEN HUNDRED TWENTY—

AFTERMATH

Senior Year

OFFICERS

President
Vice President
Secretary
Treasurer

FIRST HALF

M. B. ARTHUR
H. E. BROOKS
A. G. BLODGETT
H. G. HUNT

SECOND HALF

M. B. ARTHUR
N. P. MARKS
M. C. COWDEN
H. G. HUNT



MALCOLM B. ARTHUR

AFTERMATH

In September of 1919 the Class of 1920 came back doubled in strength by the registration of former '17, '18, and '19 class members, all fine men with laudable war records. This made our class a motley gathering of various constituents, but the old men entered quickly into the spirit of 1920, and our class, though always alive, was given even greater impetus by them. The first few days of the year were spent in renewing old acquaintances from all classes, and in swapping experiences of the last year or two, after which the class settled itself zealously into the task of bringing Tech life back to its pre-war basis—academically, athletically and socially. The result of this effect on the part of 1920, and also the other classes, has resulted in a most successful and happy year in all respects, a year which will be remembered by all '20 men as the best year in their college career.

The first attempt was to bring back football, which had almost entirely lapsed during the period of the S. A. T. C. in the previous year. The Class of 1920 was well represented on the squad, and the team was fairly successful, although it is believed the next year will show more victories.

But there can be no loss without a gain, so Tech proceeded to make up for the football season by developing a championship basketball team of wide renown. No student will ever forget the glowing success which came from the basketball series, and everybody concerned is to be congratulated on the outcome. More work of this type will raise Tech to the plane she deserves in athletics.

In the meantime, the Freshmen had vanquished the Sophomores in the rope-pull after three breaks in the rope, and 1920 had shown her pep by copping the Soccer Trophy for the third time. Due credit should be given to the 1922 Soccer team for its work in this series. The honors went to the Sophomores in inter-class track, while in interclass basketball we all bowed to the fast Freshman team.

While the results of the past year have shown a marked improvement in all branches of athletics, Tech has risen socially under the leadership of 1920, the only class really familiar with Tech's old customs, to a plane fully as high as that of pre-war times. The Carnival was as big an attraction as ever, and it is hoped that succeeding classes will keep up this relatively new Tech activity.

AFTERMATH

The Musical Association has enjoyed a very successful season with numerous excellent concerts; 1920 has played a very important part in this organization.

As usual, the passing of the midyear exams was celebrated by a run on Poli's theatre. The show was very good and the evening's enjoyment measured up to all expectations.

The numerous informal dances of the year by all the Tech organizations were fittingly capped by the Junior Prom at the Bancroft. The Prom was pronounced the best ever and the Junior class is to be congratulated on the success of that important event.

The happiest revival of all is that of the Dramatic Association, which after a period of inactivity of three years, has come back with double strength, and produced a most successful play, "Officer 666". The work of the cast in this production was superb and from all indications, following years will bring equally glowing performances.

All these successes in athletic and social events did not lower the scholarship standard of 1920 in the least, and the class prides itself on the election to Tau Beta Pi of twenty of her men, and to Sigma Xi of seventeen men, which is a noteworthy showing for a small class of such numerous attainments.

A notable feature of our Senior year is the start of the drive for the \$2,000,000 Endowment Fund. From the rate at which pledges are coming in, it is evident that the goal will soon be reached and that thus Tech will have put over one of the biggest things in its career.

We, the Class of 1920, have survived and flourished through a most disadvantageous period. We realize that we owe everything to the whole-hearted co-operation of the faculty, and our thanks go out to its members for the success we have enjoyed. We are leaving school in a period that is alive with opportunity for young graduates, and it is certain that many 1920 men will rise to eminent places in the engineering profession. It is equally certain that the class of 1920 will always cherish memories of Tech and do all in her power to further the cause of the institution.

AFTERMATH

TOTAL REGISTRATION

The following list includes the names of all men who have at any time been registered as members of the Class of 1920. Names printed in capitals are those who were Seniors with the class. Names in parentheses are those who were originally members of other classes.

ABBOTT, PAUL MEYER, 4 Oakland Avenue, North Easton, Massachusetts.
AGAR, CHARLES CLIFDEN, Reservoir Street, Holden, Massachusetts.
Aiken, Raymond Ellsworth.
Aldrich, Chester William.
Aldrich, John Gladding, Jr.
Allen, Clarence Boyden.
(AMSDEN, BURTON ROBERT), 34 Church Street, Athol, Massachusetts.
(ANDERSON, ARVID ENGLEBERT,) Shore Street, Falmouth, Massachusetts.
Anderson, Carl Eugene.
ANDERSON, GEORGE HUGO, 29 Wabash Street, Worcester, Massachusetts.
Arnold, Edmund Sheffield.
ARTHUR MALCOLM BOYD, 11 Armandale Street, Worcester, Massachusetts.
(ARTHUR, STANLEY WILLIAM), 11 Armandale Street, Worcester, Massachusetts.
Atkinson, Willis Freeman.
Babbitt, Edwin Valentine.
(Backlin, Elof Gunnar).
Bailey, Jacob.
(BARKER, BRYAN WOODWARD), 42 Walnut Street, Natick, Massachusetts.
Barnes, Albert Elmer.
(BASSETT, ARTHUR WHITING), 269 Chapman Street, Greenfield, Massachusetts.
BAUDER, FREDERICK WILLIAM, 615 Hunterdon Street, Newark, New Jersey.
(BEAN, LAWRENCE GUY), 13 Hackfeld Road, Worcester, Massachusetts.
Beedle, Roger Karl.
Benz, Frederick Dewey.
(BERG, CARL HAROLD), 17 Franconia Street, Worcester, Massachusetts.
(Besa, Hernan).
BISHOP, RAYMOND DOWLEY, 12 Pleasant Street, Brattleboro, Vermont.
Black, Harold Stephen.
BLAISDELL, GEORGE BARRELL, York, Maine.
Blanchard, Philip Alden.
BLODGETT, ALBERT GERRY, 17 Broad Street, Lyndonville, Vermont.
Bourn, Marcus Gardner.
BOUTELLE, HAROLD DANFORTH, 204 Central Street, Winchendon, Massachusetts.
(BRIGGS, STUART WALLACE), 728 Pleasant Street, Worcester, Massachusetts.
BROOKS, HERBERT EUCLID, 104 Woodland Avenue, Gardner, Massachusetts.
Brown, Frank Kinney.
(BROWN, RICHARD), 205 Lincoln Street, Worcester, Massachusetts.
Brown, Wesley Henry.
BRYANT, ROGER HOWARD, 134 Broadway, Taunton, Massachusetts.
Burbank, Elliott Winsor.

AFTERMATH

Burns, John Joseph.
BUTLER, FREDERICK RAYMOND, 76 Paine Street, Worcester, Massachusetts.
BYER, LESLIE CONWELL, 128 Main Street, Westfield, Massachusetts.
(Caldwell, George Woodworth).
(CANFIELD, DONALD TREAT), St. Petersburg, Florida.
Card, Thomas Buell.
(Carpenter, Howard Sellew).
(Castor, Amasa Hungerford).
(Chaffee, Roger Brown).
(Chandler, George David).
Chick, John Edwin.
Ching, Yao-Chuo.
Clarke, Walter Bacheller.
Clifford, Daniel Lawrence.
Cole, Michael Benjamin.
Cook, Phillips Champlin.
(COPELAND, WARREN ELLSWORTH), 196 May Street, Worcester, Massachusetts.
Cosgrove, Mark Francis.
(COWDEN, MERLE CHANDLER), 55 Carroll Street, New Bedford, Massachusetts.
(CRANE, HOWARD PARTRIDGE), 161 Holly Street, Rutland, Vermont.
(CROSSMAN, KENNETH WARD), Berlin, Massachusetts.
Curtin, Frederick James.
Cushing, Charles Sumner.
Davenport, William Henry.
Davis, William Orrell.
Divoll, Lawrence Elliott.
Drake, Howard Eliot.
Draper, Ralph Lemuel.
Dudley, James Otis.
DYER, RAYMOND FRANCIS, 33 West Street, Clinton, Massachusetts.
(ENGLUND, CARL GODFRED), 28 Whitmarsh Street, Worcester, Massachusetts.
Ericsson, Eric Sigurd.
Estes, Howard Martin.
Fielder, Walter George.
Finn, Israel Benjamin.
(FIRTH, NORMAN CHARLES), 6 Downing Street, Worcester, Massachusetts.
Flemming, William Aloysius.
Fletcher, Donald Annett.
FLYNN, WILLIAM THOMAS, 199 Broadway, Chicopee Falls, Massachusetts.
Fraser, William Roberts.
GAMMAL, CHARLES ABRAHAM, 11 Hawkins Street, Worcester, Massachusetts.
(GARLAND, MILTON WARD), 2000 No. 5th Street, Harrisburg, Pennsylvania.
Garvin, John Howard, Jr.
Gilbert, Carleton Thomas.
Gile, Matthew Sullivan.
Goodwin, Dana Dudley.
(GRIMWADE, ROGER MAURICE), Charlton City, Massachusetts.
Guillow, Paul Kimball.

AFTERMATH

Name	Course	Name	Course
Hale, Harold Preston	Ch.	Rahm, Louis Frank	M.
Hall, Robert Benson	M.	Root, Edwin Hubbard	E.
Harcus, Wilmore Custer	M.	Rosenblatt, Edward	C.
*Hastings, Whitney	C.	Russell, Alan Woodworth	M.
Hill, James Henry	Ch.	Sanford, Baalis	Ch.
Hunting, Harold Stanley	E.	Saunders, Edmund Burton	Ch.
Huntington, Carroll Allen	M.	Scanlan, Joseph Francis	M.
Huggins, Charles Newel	Ch.	Schuerman, William Augustus	C.
Hutchins, Charles Cleon	E.	Sessions, Paul Stanley	M.
Israel, Cyril	Ch.	Shaw, Bernard Clark	E.
Jenness, Roger Ripley	E.	Smith, Irving Rumrill	E.
Johnson, Einar Daniel	E.	Skroder, Carl Eric	E.
Leonard, Richard Spencer	E.	Smith, Wilder Stephen	M.
Lane, Raymond Andrew	E.	Stevenson, William Orick	E.
Lyman, Charles Martin	Ch.	Sturtevant, Foster Ezekiel	M.
McCarthy, Daniel Timothy	M.	Thompson, Lincoln	Ch.
McCaslin, Stanley Nutting	M.	Titcomb, George Richard	M.
Manning, Irving Edward	Ch.	Titcomb, William Sewall	M.
Maynard, Leodore Eugene	E.	Towle, Francis Winslow	Ch.
Meador, Raymond Francis	M.	Weitzen, Fred	M.
Morse, Lyle Jewell	E.	Whidden, Foster Cook	Ch.
Penfield, Richard Pascall	E.	Whitmore, Harold Birnie	E.
Pereira, Ricardo Goncalves	E.	Will, Irving Martin	E.
Perry, Kenneth Randolph	E.	Williams, John Warren	Ch.
Perry, Robert William	M.	Wilson, Alexander Lewis	C.
Potter, Lawrence Stearns	M.	Winslow, Earl Holden	Ch.
Quinn, Saul Clifford	Ch.	Woodbury, Paul Dodge	E.

AFTERMATH

JUNIOR CLASS HISTORY

The present Junior Class is essentially and emphatically a war class, having entered the Institute shortly after the United States entered the great war, and having the marks of the war stamped indelibly upon its record.

During the first year, all their endeavors as a class were crowned with the greatest of success. One after another, they romped away with the honors in inter-class baseball, track, rope-pull, football, and basketball,—all remarkable achievements which these vain-glorious Freshmen thought should be recorded in the halls of fame. So brilliant was their record during those first few months that even “Coombsie” remarked upon it, and suggested that they might possibly rival the illustrious class of in the production of big men. But that was before mid-years, and probably “Coombsie” has since thought better of his rash statement, anyway.

As time went on, there was a remarkable thinning of the ranks, and not from scholastic fatalities alone; for many a restless spirit, responding to the higher call, entered the service of the nation. Some are now with us again, while others can never return, but for them all we express our sincere admiration. Those who remained settled down with a grim determination to work a little harder than they had before, and to apply their energy where it would count for most, until the time should come for them, too, to enter the national service.

AFTERMATH

With the advent of the S. A. T. C., class rivalry died out, and class distinction was nearly obliterated in the common purpose for which all were united. Scholastic losses were as heavy as ever, although there was the additional incentive that failure in studies meant permanent quarters at Devens.

Along in February, when the S. A. T. C. was a thing of the past, the Sophomores held their first class banquet, which was a very quiet, orderly affair, as all Sophomore banquets should be. Encouraged by the success of the banquet, the class entered with enthusiasm into the preparations for the best dance of the year,—the Sophomore Hop. Needless to say, nothing was left undone to provide the best of everything essential to a good dance and a good time. Particular attention was devoted to the punch, and several of the class are especially well fitted to testify as to its joy-inspiring qualities; the same is true of the faculty, though not for exactly the same reasons.

Meanwhile, these confident and self-satisfied Sophomores had been training diligently for the belated rope-pull, which was to take place in the month of May. The picking of a team from a class reduced to a little more than half of its original size was no easy matter, for weight as well as confidence was essential to pull the Freshmen hordes through the muddy waters. As a natural result, the Sophs did not repeat, but took the count and the bath in record time, much to the delight of certain two of the other classes.

AFTERMATH

As Juniors, the class was augmented greatly by the return of many of the older men from the service. The big event of the fall term, and one which will long be remembered by the class, as well as others too numerous to mention, was the Half Way Thru Banquet, held at the Southboro Arms. There can be no doubt that the banquet was a success, and so were the events that followed—temporarily; for the banqueters departed for Worcester blissfully unaware that the Marlboro police were only about a half lap behind, and in a very perturbed state of mind. Somehow the Southboro selectmen located the address of Worcester Tech, however, and lost no time in forwarding a much bloated bill for damages, accompanied by very pertinent remarks which were by no means kept secret from the public ear. For a time, the more or less repentant Juniors were caught going and coming between the bills from Southboro and the wrath of the faculty.

Interclass events did not swing easily the way of the class as they had in former times, for many of the stars had either departed or were no longer Juniors. Yet even then, they were represented by a perfectly good second-place team in interclass basketball, rifle match, and track meet. At present the Juniors form a well balanced class, with plenty of pep and class spirit, as well as willingness to do their part in carrying on school activities.

1920



SOPHOMORES

E.T. LARSON

AFTERMATH



CLASS OF NINETEEN TWENTY-TWO

—NINETEEN HUNDRED TWENTY—

AFTERMATH

CLASS OFFICERS 1922

President
Vice President
Secretary
Treasurer

FIRST HALF

E. H. COLESWORTHY
P. W. LUNDGREN
C. R. BARRINGTON
H. P. PUTNAM

SECOND HALF

C. H. NEEDHAM
P. W. LUNDGREN
J. H. CARTER
H. P. PUTNAM



AFTERMATH

THE SOPHOMORE CLASS

Name	Course	Name	Course
Abbe, Leslie Morgan	C.	Farnsworth, Donald Fay	M.
Aldrich, Baylis Gordon	M.	Field, Richard Dudley	C.
Allen, Clifford Miner	C.	Field, Russell Morse	E.
Armington, Walker, 3rd	M.	Frary, Hubert Hale	M.
Babcock, Charles Irving	C.	*Frey, Conrad Percival	M.
Bardwell, Harold Foster	E.	Fritch, Donald Fowler	C.
Barr, Addison Wilbur	C.	Gavin, Charles Davenport	M.
Barrington, Clarence Rogerson	E.	Gilbert, Carleton Thomas	E.
Batten, Wendell Blake	E.	Goldsmith, William Francis	Ch.
Bennett, Roy Gilson	M.	Hapgood, Kenneth Ellsworth	E.
Bijur, George Asher	M.	Harney, Francis William	M.
Bingham, Wellington House	M.	Hathaway, Wallace Calder	C.
Brockelman, Webster Bernard	E.	Heffernan, Neil Thomas	M.
Brusnicki, Thaddeus Joseph	M.	Heineck, Albert Harris	E.
Campbell, Edward Lloyd	C.	Henshaw, Raymond Munroe	M.
Carlson, Carl Waldemar	M.	Herr, John Alexander	M.
Carlson, Howard Frissell	M.	Hoar, William Sisson	C.
Carter, John Hayes	M.	*Horner, Robert William	C.
Carey, George Stone	M.	Hough, George Vernon	M.
Chen, Li	E.	Howe, Wilfred Consitt	M.
Clarkson, Charles Newcomb	E.	Howe, Wilfred Harned	E.
Cole, Charles Reuel	E.	Hurowitz, Solomon	Ch.
Colesworthy, Edward Herman	M.	Hyde, Lawrence Knowles	M.
Conroy, Martin Joseph	E.	Jackson, Henry Walker	C.
Cooney, William Henry	E.	Jackson, Roger Treat	M.
Cosgrove, Mark Francis	E.	Johnson, Richard Francis	C.
Cundall, Lincoln Atwood	E.	Johnson, Herbert Arthur	M.
Currier, Chester Pliny	M.	Keith, Wayne Evarts	E.
Cushing, Russell Emery	Ch.	*Kennedy, William Francis	M.
Cushman, Robert Winslow	E.	Kittridge, Francis Ignatius	E.
Desper, Irving Maynard	Ch.	Larson, Enfried Torsten	M.
DeVoe, Winchester, Jr.	E.	Latham, Henry Palmer	E.
Douglass, Forest Mortimer, Jr.	E.	Leland, Roger Maxwell	M.
Dunn, Edward Cushman	C.	Lloyd, Kenneth James	C.
Eastman, Lester Stowe	C.	Lovell, Lyman Chandler	C.
Ellsworth, Warren Aldrich	M.	Lundgren, Philip Wilhelm	M.
Fanning, Joseph Thomas, Jr.	M.	McGlincy, Lloyd Frederick	M.

AFTERMATH

Name	Course	Name	Course
Maitland, Thomas James	E.	Shaw, Glenn Allen	M.
Manning, Lester Patrick	C.	*Shields, James Aloysius	E.
Marston, James Lendo	M.	Shirley, Frank Jr.	M.
Martin, Charles Edward	E.	Sholz, Edwin Lawrence	M.
Martin, Paul Stowell	E.	Slobin, Herman	E.
Martin, William Ladd	M.	*Small, Luther Clark	C.
Mason, Frank Richmond	C.	Snow, John Gardner	E.
Meyer, Carl Frederick	C.	Sohigian, Hratch Garabed	E.
Millard, Fred Pearl	E.	Sosinski, Paul Peter	E.
Morse, Charles Arthur	M.	Spongberg, Dwight Axel	M.
Muldoon, Francis Patrick	C.	Sprague, Carlton Stanley	E.
Murphy, Louis Edward	E.	Stevenson, William	M.
Needham, Charles Howard	E.	Stickney, Noyes Coburn	C.
Nourse, Ralph Graydon	E.	Stoughton, Carroll	M.
O'Neill, Donald Saylor	M.	Surabian, Peter Harry	E.
Page, Charles Warren	M.	Taylor, Donald Wood	C.
Parker, Philip Swazey	C.	Thayer, Elmer Sumner	Ch.
Parsons, George Frederick	C.	Thayer, Ralph Whitman	Ch.
Payette, Armand LeBlanc	M.	Tousey, Harold Francis	M.
Pearson, Russell Hilton	Ch.	Townsend, Stanley Morse	M.
Pendleton, Albert Huntington	E.	Turner, John Arlington	E.
Penniman, George Forest	E.	Turner, Stanley Heywood	C.
*Pickering, Earl Bartlett	M.	Upton, George Vose, Jr.	M.
Pickwick, Fred Jr.	Ch.	Urquhart, Alfred Smith	E.
Priestly, Harland Roscoe	E.	*Vaughn, Henry Palmer	M.
Putnam, Prentiss Howard	M.	Walker, George Albert	E.
Reed, Russel Allison	M.	Watchorn, Carl Williams	E.
Reilly, Edward Lynch	M.	White, Philip Hastings	C.
Rice, Harold Spencer	Ch.	Whitney, Morgan Merritt	M.
Rives, Henry	M.	Wightman, Everett Gatchell	E.
Roys, Carl Sherwood	E.	Wilder, Robert Marquis	C.
Rowell, Eugene Perry, Jr.	M.	Williams, Emerson Marion	M.
Russell, John Valentine	M.	Williams, Ernest Paul	M.
Ryan, George Stephen	E.	Wilmot, William Earl	Ch.
Schiller, Ernest Melvin	M.	Witt, Edward Joseph	M.
Schmitt, Paul Marion	E.	Wolcott, Earl Reginald	M.
Seagrave, Richard Montague	M.	Woodward, Guy Follansbee	E.
Shack, Louis Mark	Ch.		

AFTERMATH

SOPHOMORE CLASS HISTORY

The fall of 1918 ushered two new organizations into Worcester Polytechnic Institute, one a short lived organization, the S. A. T. C., and the other a permanent organization, "full of pep," the class of 1922.

Although this class is now but two years old, it has contributed much to the life of W. P. I. For, in the first year of its existence, its members took active part in all the various activities, including the non-academic work as well as athletics. Equally as well, did the various members work together in the class events.

The rope-pull was the first event of the season. As soon as the first shot was fired, both teams diligently set to work. Soon the second shot was fired and then the struggle began. But it didn't take long for the Sophomores to realize that their efforts were useless, and within seven minutes they had gone through the briny depths and had climbed upon the opposite shore of Institute Pond. Well did the class deserve its triumphal march through "Victory Arch."

Not only did the class defeat the Sophomores in the rope-pull, but also in track by an overwhelmingly large score. It was less successful in baseball. But, the victories being so numerous, some celebration was in order. This took place in the form of a Freshman Banquet. It was held at the State Mutual Restaurant and was extremely successful.

As Sophomores, the class continued the pace it set in the Freshman year. Its membership was lessened considerably, although the return of many overseas men and men in the service in this country filled its ranks to a goodly number. The men already taking part in the activities on the hill continued their fine work and many more joined them. All the athletic teams and other organizations found 1922 well represented.

In class events, it was as successful as in the first year, easily winning the track meet. It was less successful in the rope-pull, for the Freshmen succeeded in pulling the Sophomores through the pond, after the rope had broken twice, in fourteen minutes, ten seconds. The Sophs defeated the Freshmen in soccer and tied them in football.

The concluding event of the second year was the Sophomore Hop. Many couples were present to enjoy the well decorated hall, the excellent music and all that goes to make up a successful dance.

Good work '22! Continue the pace you have set.



Laura
'22

1920

FRESHMEN

AFTERMATH



CLASS OF NINETEEN TWENTY-THREE

—NINETEEN HUNDRED TWENTY—

AFTERMATH

CLASS OFFICERS 1923

	FIRST HALF	SECOND HALF
<i>President</i>	G. H. NELSON	T. W. BERRY
<i>Vice President</i>	I. S. BUSHNELL	R. W. WHITE
<i>Secretary</i>	H. C. JOHNSTON	T. H. COLE, JR.
<i>Treasurer</i>	P. J. ROBINSON	P. J. ROBINSON



THE FRESHMAN CLASS

Name	Course	Name	Course
*Abramavich, Joe		Bishop, Forest Lloyd	
Adams, Joseph Carleton		Blanchard, Kenneth Edward	
Alling, Leon Isaac	M.	Bliss, Carlton Holbrook	
Anderson, Arthur Waldemar	M.	Blodget, Jesse Mark	
Andres, Harold John		Bourn, Kenneth Rodney	
Armstrong, William Colton		Brigham, Alden Ingalls	E.
Arnold, James Harriott	M.	Brooks, Lawrence Richmond	
Aspelin, Bertil Walter		Brooks, Leonard John	
Avery, Sidney Hyde		Brunt, Carlton Lyman	C.
Ball, Lawrence Rutherford	M.	Brush, George Kinney, Jr.	
Barrett, Edmund Anthony		Buell, Robert Allyn	M.
Bateson, Robert Edward		Bunyan, George Arthur	
*Beers, Robert Edmond		Burbank, Elliot Winsor	E.
Bell, Ira Warren		Burleigh, Joseph	
Bemis, Milton Amasa		Bushnell, Ira Swift	
Berry, Thomas Wayne		Bysshe, Arthur Ernest	
Bickle, Samuel Ewart	M.	Campbell, John William	

AFTERMATH

Name	Course	Name	Course
Carlson, Carl Roy		Gates, William Herbert, Jr.	
Carlstrom, Carl Fredrik		Gianni, Oreste Emil	
Carrick, William Roy		Goodnow, Judson Morton	
Carrington, Edward Lenox		Gordon, Albert Anderson, 3rd	M.
*Casey, Laurence Francis		Gorman, James Fox	
Cassie, John	M.	Gove, Winfield Derby	
*Child, Everett Spencer	E.	Greco, Aldo Pardo	
Chouinard, Louis H.		Hadley, Leon Edmund	
*Christensen, Andrew Thomas		Hamilton, Edward George	E.
Joseph, Jr.		Hanscom, Geoffrey Leonard	
*Clancy, James Raymond	E.	Harrington, William Joseph	
Clark, Everett Hartwell		Hawley, Charles Freeman	
Coe, Thomas Hamilton, Jr.		Hayden, Albert Perry	
Coghlin, Edward Bernard		Hedenstad, Paul Christian	
Colby, Wilbur Sanderson		Henshaw, Marshall Darling	
Conway, James Daniel	C.	Hiller, Elwood	
Cook, Eden Chandler		Holden, Carl Mason	M.
Crafts, Harold William		Hughes, Frank Ashworth	
Cragin, Howard Alger		Hunt, Ernest Raymond	C.
Craig, Alan Dodd		Hurowitz, Max	
Cron, Carl Robert		Hutchins, Edwin Ivan	Ch.
Crook, George Lincoln		Hutchinson, Vincent Augustine	M.
Crowe, Edward Francis		Jasper, George Patrick	
Crumb, Maxon Sturges		Johnson, Edward Birger	
Davis, Raymond Walter		Johnson, Fred Gilbert	C.
Denault, Clinton Louis		Johnston, Harold Clement	
Dexter, Milton Gregory		Judson, Harold Hunter	M.
Dimmock, David Wilder	M.	*Kanef, Anatol	
Doane, Charles Bradley		Karantzalis, Harry Elias	
Dodkin, Oswald Hewitt		Kaufman, Benjamin Loeb	
Donnell, Emerson Bradford	M.	Keefe, William Timothy	Ch.
Dufault, John Alexander		Kennedy, Edward Francis	
Edwards, Roger Gerhart		Kimball, Richard Longley	
Englund, Richard Emanuel		King, Robert Rondolph	
Ferry, Henry Francis		Lamb, Claude Mason	
Fiore, Andrew		Latimer, William Henry	
Flynn, Arthur Joseph		*Lavallee, Emery Andre	
Foster, Francis Budlong	M.	Lee, Howard Eugene	
Fraser, Henry Allen		Levine, Max	
Friedman, Hyman Julius		Levy, Louis Jacob	
Frissell, Frank Hezekiah, Jr.		Leyland, Simeon Clarence	
Gafvert, Gustaf Adolf		Liebeck, George Spamer	
Gallagher, Raymond Carter		Lilley, Frank Samuel	
Gallup, Willard Albert		Logan, Stirling Meredith	
Gallup, Halsey Albert		*Longley, Philip Morrison	
Gammal, Albert Abraham		*Lougee, Paul Henry	

AFTERMATH

Name	Course	Name	Course
Lundquist, Clarence Alfred Rudolph		Roberts, Kenneth Clark	
Lysaght, Vincent Edward		Robinson, Philip James	
McAllister, Donald		Roman, Harold George	M.
McMullen, Charles Estes		Rowell, Winston Hale	
Main, Kenneth Walton		Ruppel, Julius	
Malm, Edwin Lemuel	M.	Sandman, David	
Martin, Burney Knowlton		Saunders, Everett Lincoln	M.
Mason, Joseph Peter		Scheer, Frederick Henry	
Masten, Ralph Atwood		Schofield, Raymond Franklin	
Mattson, Erwin Henry		Seaver, Raymond Pierce	
Meigs, Ralph Remington		Seidel, George Martin	
Metcalf, Walter Webster		Shaw, Richard Hartley Vincent	
Meyer, Percy Earl		Smith, Harold Temple	M.
Montague, Albert Ira	M.	*Smith, Raymond Ross	E.
Morrill, Weston		Snow, George Bates	
Morrison, Raymond Dewey		Sperry, Clair John Wetherell	
Mott, Karl Ernest	E.	Sprague, Merle Barnes	
Muir, Harvey Alexander Joseph		Stearns, Kenneth Russell	
Munford, Walter Ferdinand	M.	Sullivan, Henry Francis	
Murphy, Roger Nichol		Sullivan, John James	
Murphy, William Edward	C.	Swallow, Richard Barr	
Nelson, George Herbert		Swan, Paul Richard	
Newbury, Allen Waterman		Tanner, Elmo	
*Newkirk, Frank Kenneth	M.	*Tashanka, Jacob George	Ch.
Norton, Russell Lathrop		Terry, Robert Merritt	
Nutting, Howard Sterling		*Thompson, William Gardinier	
Oswell, Naudin Joseph		Topanelian, Edward, Jr.	
Pardee, Roland Everett		*Tower, Ralph Burnett	
*Parker, Blair Hennessey	E.	Trombly, Howard James	E.
Pasini, Alfio Carl		Trombly, Clifford William	
Paul, Ralph Dederer		Tsui, Hsueh-han	
Perch, Paul		*Tuck, Paul Blaisdell	
Perkins, Wilder Emery		Voigt, William Rudolph	
Perry, Homer Irving		Vouch, Stephen John	
Peterson, Albert William		Waite, Roger Thornton	
Phalen, Joseph		Walberg, Richard	C.
Pierce, Ralph Clarence		Webber, Hiram Mark	M.
Prince, Arthur Stanley		Webster, Frederick Russell	M.
Quallins, George Andrew		Weeks, Francis	
Quigley, Leon Vincent		Wenzel, John Jr.	
Reed, Edmond Greenwood		Wesslen, Holger Alfred	
Reed, Thomas Alden		Whelpley, James Albert	
Reyes, Joaquin	E.	White, Harold Harrison	
Rice, Cortis Nelson, Jr.		White, Ralph Wallace	
Rice, Milton Jerome		Williamson, Richard	M.
Richardson, David Frederick		Wilson, David Jr.	M.
Richardson, Ello Elwin		Winch, Leon James	
Richardson, Ernesto Aquero	Ch.	Wood, Edson Robert	
Ritter, Karl		Worth, Raymond Stanley	

* Withdrawn

AFTERMATH

FRESHMAN CLASS HISTORY

We were a furtive, scared looking, bunch of rookies when we first shuffled over the brow of Boynton Hill on the memorable seventeenth day of September.

After registration, the Sophomores started operations upon us. They relieved us of some money, and also of some good humor.

A few days later, a few of our members, more gullible than the rest, moved the bleachers. We were beginning to feel at home in our new surroundings and caps. A base ball team was scraped together, and we started the struggle to get our hats off. Baseball was a tie.

Then came the Rope-Pull. As everyone knows, the rope, after several attempts to escape the disagreeable task, took pity on us and led the Sophomores through the icy depths.

We marched all over Worcester and cheered everybody we knew of. Razz from the Sophomores was decidedly less from this time on.

The Freshmen turned out pretty well at the football games, and it didn't take long to get the cheers down pat. The Freshmen-Sophomore game was a good exhibition, but neither side scored. The last half was played in the dark. Several of our team were on that ill-fated W. P. I. varsity.

At basketball the Freshmen are strong. We beat the Sophs and have three men on the varsity. One of them, Berry, is unusually good.

We prepped for mid-years and one hundred and twenty-five of us squeezed by without a condition. They tell us that we are clever. Whether the faculty are flatterers remains to be seen.

We had been talking of a banquet for some time and soon after the new term started, in fact, on the night of that fiendish blizzard, most of us met at the Warren Winter Garden. A good many snappy stories were told by members of the faculty and class. We also heard some good speaking. Everybody seemed to have a good time. They told us that we had made a good start and to stick to it. Here's hoping we do.

AFTERMATH

WAR RECORD OF THE CLASS OF 1920

Of the 92 members of the Senior Class, 82 were in the national service during the war period. In view of these numbers, there can be no doubt that 1920 stands high among the classes of the Institute in percentage of men enlisted.

In the person of its president, Almon Kemp Lincoln, the class suffered the only casualty ascertainable among any of the men who have ever been registered with 1920.

Twenty-six commissioned officers are numbered in this list, nineteen of them in various corps of the army, eight men held non-commissioned grades, and forty-nine made up the remainder of the enlisted personnel of the class. Nine men saw foreign service, four of them as commissioned officers; the rest of the number were scattered through various army camps throughout the country.

These numbers, however, do not tell the whole story, for the lower classes at the Institute have had their numbers greatly augmented by members of 1920, who, after too many months of service to permit their re-joining this class, returned to complete unfinished courses; these men should also be reckoned as comprising an important part of the war record of 1920.

MEMBERS OF THE CLASS OF 1920 AMONG THE AMERICAN EXPEDITIONARY FORCES

The part played by the nine members of 1920 with the A. E. F. in France is detailed in the following list:

STANLEY WILLIAM ARTHUR

Ex '18

Private, 1st class, 14th Engineers. Engagements in action:

Somme defensive.

Aisne-Marne offensive.

Meuse-Argonne offensive.

Overseas 21 months.

NORMAN CHARLES FIRTH

Ex '18

2d Lieutenant, 542d Engineers.

Overseas 10 months.

MAURICE WHITE HEINRITZ

Ex '18

1st Sergeant, 467th Aero Squadron.

Overseas 17 months.

AFTERMATH

CHARLES NEWEL HUGGINS

Ex '18

Sergeant, 1st class, 1st Gas Regiment. Engagements in action:
Meuse-Argonne offensive.

Overseas 12 months.

HOWARD CROSBY SARGENT

Ex '18

Lieutenant, Junior Grade, Naval Aviation. Engagements in action:
Submarine patrols.

Overseas 12 months.

WALTER BERNARD SHEA

Ex '19

Ensign, Naval Reserve Forces.

Overseas 2 months.

JAMES MADISON SHUTE

Ex '18

Private, 14th Engineers, American Student Corps, University
of Paris. Engagements in action:

Somme defensive.

Marne-Aisne offensive.

St. Mihiel offensive.

Meuse-Argonne offensive.

Overseas 24 months.

FRED WEITZEN

Ex '18

2d Lieutenant, 47th Heavy Artillery.

Overseas 6 months.

ALBERT LESTER WOODWARD

Ex '19

Private, 317th Aero Squadron.

Overseas 5 months.

SUMMARY OF WAR SERVICE

The following summaries indicate in a general way the wide distribution of
the men in service:

	ARMY	A.E.F.	NAVY	A.E.F.
COMMISSIONED OFFICERS	20	(2)	6	(2)
NON-COMMISSIONED OFFICERS	4	(2)	3	
ENLISTED	35	(3)	14	
	—	—	—	—
	59	(7)	23	(2)
Total				82 (9)

AFTERMATH

1st Lieutenant	1
Lieutenant, Junior Grade	1
2nd Lieutenants	18
Ensigns	5
3rd Lieutenant (C. G.)	1
Chief Machinists Mate	1
Warrant Electrical Gunner	1
Master Gunner	1
Sergeant Major	1
1st Sergeant	1
Sergeant, 1st class	1
Sergeant	1
Private, 1st class	1
Privates	32
Seamen, 2nd class	12
Seamen, 3rd class	2
Officer candidates	2
	—
	82
S. A. T. C.	28
U. S. N. R. F.	21
Coast Artillery	8
Field Artillery	6
Infantry	6
Engineers	4
Air Service	4
Naval Aviation	1
Coast Guard	1
Machine Gun	1
Chemical Warfare Service	1
Gas Regiment	1
	—
	82

—NINETEEN HUNDRED TWENTY—

AFTERMATH



FRESHMAN YEAR

Twenty is an unlucky number, so far as rope-pulls are concerned. After a few good practices under the careful tutelage of our friends the Juniors, we came down the Hill to the lake with great confidence. Having lost our toss, we took our places at the southeastern end of the pond—forty huskies of the class. Bang went the gun and the dirt began to fly in all directions, so much so that at the next signal we jumped to our places without delay. We held our own for a short time against the mighty heaves of the Sophomores and even gained a trifle but then the superior strength and experience of the Sophomores began to tell and we moved in the direction exactly opposite to all our calculations—"Wow," but that water was cold and dirty.

SOPHOMORE YEAR

Time: one year later.

We had all the confidence in the world this time. We were going to give these Freshmen a bath or —— because they had had a pretty easy time so far. The best medicine in the world for this was a good bath and we were going to administer it to them. This time we won the toss, so elected to take the opposite side, thinking that by so doing we would lose the "jonahs" which persisted in following us. Everything was in readiness, everybody in place with plenty of resin, so that when the first gun went off you could not see the class for "dirt." Again the gun and immediately we began trying the tension qualities of the rope, but the tension testing soon changed to compression; although "Spider" may claim that it can't be done we demonstrated the fallacy of his reasoning by accomplishing this seeming impossibility by actual experiment. The rope showed great compressive qualities and the Freshmen admitted that we assisted them greatly in their pulling.

AFTERMATH

Freshman Banquet

Our first real get-together. It was a good one too, for about one hundred and twenty-five hungry Freshmen were gathered about the tables at the State Mutual restaurant on that Tuesday night over three years ago. We had “some feed” too, at least it seems so now, and speakers—just listen.

From the faculty we had good old Pop Adams, always a Freshman’s favorite, then there was Doc. Carpenter and his aide de camp, Doc. Brough. Beside those who were scheduled to appear on the program Pres. Needham made a good many of us shiver and rack our brains for jokes by calling on us as a surprise. Among these latter speakers were Bill Bailey, Lyman, Peele, Heald and Upton. There were sure some good stories told (some weren’t meant for the waitresses who would come in).

We have much to remember from that evening for many of the men who were there then have passed out of our lives and one we will never meet again.

—NINETEEN HUNDRED TWENTY—

Sophomore Hop

The Sophomore Hop of the class of 1920, practically its first dance, was a success in every sense of the word. The Hop was held as usual in the Gymnasium with about ninety couples present. Music of a rare type was furnished by Mrs. Chaffin's orchestra, and two moonlight waltzes of the kind then in vogue added to the attractiveness of the program. This dance was sure a great treat for everybody in the period just before those Spring finals, and much credit was due the bunch of live wires serving on the committee.

THE COMMITTEE

MALCOLM B. ARTHUR, CHAIRMAN

HERBERT BROOKS

PAUL J. HARRIMAN

LOULS F. RAHM

HOWARD E. DRAKE

KENNETH R. PERRY

FREDERICK E. REINERS

ALMON K. LINCOLN

AFTERMATH



FRIDAY, JANUARY 24, 1919, STERLING INN

Sterling is the town which holds the Sterling Inn, and the Sterling Inn is the Inn that held the Half-Way-Thru of 1920. To celebrate our half-way-thru stage, and also our release from the army and navy, was a large order to fill, but we did it; oh yes, we did it! We know now that Sterling has a fire bell, a fire department (brass buttons and a tin hat), and a police force. We also learned to our surprise and pleasure that a trolley car offers an amusing and unlimited supply of investigation and entertainment: expensive, too.

Although we ourselves were only at the half-way-thru mark, the dinner and the toasts were there without question. Upon breaking up, it was agreed that the work we had done to get this far was well repaid. "It was a wild night, a wild—."

The committee in charge of what will be remembered as one of the most glorious episodes in the history of 1920 was

P. J. HARRIMAN, CHAIRMAN

A. G. BLODGETT

S. W. BRIGGS

—NINETEEN HUNDRED TWENTY—

AFTERMATH



JUNIOR PROM COMMITTEE

PAUL J. HARRIMAN, CHAIRMAN

FREDERICK E. REINERS

HERBERT E. BROOKS

GEORGE L. WHITE

LESTER C. WIGHTMAN

-NINETEEN HUNDRED TWENTY-

AFTERMATH

OFFICER



6-6-6



TECH SHOW

NINETEEN HUNDRED TWENTY

AFTERMATH

“Officer 666”

Playwrights were scarce for the first Tech Show since '17, so the committee selected one of the popular up to date plays, “Officer 666” written by Augustin MacHugh and very successfully introduced by George M. Cohan. A brief resumé of the play is as follows:

Travers Gladwin, a New York millionaire—young, handsome and single, returns unexpectedly from Egypt to save his own fortune. While traveling incognito he falls in love with a blue eyed blonde—but of whom his friend, Whitney Barnes, thinks very little. While raving to Barnes, Gladwin is interrupted by two feminine callers, Miss Helen Burton and her cousin, Miss Sadie Small. Helen turns out to be the blonde Travers has fallen for and she unknowingly discloses the fact that someone else has taken Gladwin's name and won her heart also. The act ends with Gladwin dressed in Officer 666's uniform bent on arresting himself at all costs.

In the second act we find Helen's aunt ready to lick the whole police force in order to get her niece. Barnes meanwhile finds time to know Sadie much better—not to the disapproval of either. The masquerader enters as Alfred Wilson, a picture expert, and by clever actions and a level head, he first throws all suspicion on the real Gladwin and then eludes the police by hiding in a chest when they search for him.

The third act shows Gladwin between two fires, his duty to expose Wilson, and his sportsmanship to let him go. He finally decides to let such a pleasant crook escape—and contents himself with a treasure the crook lost, that was Helen. Barnes, not to be outdone pleads his cause to Sadie and is accepted. The play ends just as the good old fairy tale—they lived happily ever after.

Much credit is due to the very fine and efficient coaching of Frederick A. Carroll—who, by the way, coached for “positively the last time.”

Those of the cast were as follows: Bateato, Li Chen, '22. It will be a long while before folks forget the little Jap's consternation on finding a strange woman bending over his master's art collection. Chen acted splendidly and is indeed looked upon as a model valet for future Tech Shows.

Michael Phalen (Officer 666), R. N. Murphy, '23. No one else but “Rog” could have played the tool of fate as the original meaning was meant. He had the staying powers that made everyone save the big smile till he appeared.

AFTERMATH

Whitney Barnes, H. P. Putnam, '22; "Putty" sure does know how to make the ladies talk—if his one and only was in the audience either night, and we greatly suspect she was—we think "Putty" had some tall explaining to put over.

Travers Gladwin, E. L. Sholtz, '22; we all hand it to "Eddie"—pep, smiles and a tenor voice. We doubt very much if in the original cast Travers was so well presented. His natural ability at love making makes us a bit suspicious but—he certainly knew how to win his grape-fruit-loving-blonde.

Helen Burton, R. B. Heath, '20; When fair Helen had the stage no eyes could look elsewhere but at her lovely appearance. "Ray" has certainly a striking way when he dons high heels and low neck dresses, and if—well you don't blame "Eddie" a bit for falling for him do you—of course you don't, we don't either.

Sadie Small, R. L. Norton, '23. Oh you brunette! More than one heart gave a sigh when "Russ" moved about the stage—he was new at the lady part but he certainly offered a fine target for all of "Putty's" wildest darts.

Mrs. Burton, P. H. White, '22. "Phil" must have a girl whose aunt he hates because he knew just how an enraged aunt should always act. We hope he was benefited by his lime-light experiences.

Alfred Wilson, J. Wenzel, Jr., '23. "Jack" certainly could act crook, here, gentleman, or police officer. Much credit is due him for his splendid acting. We don't blame Helen for being deceived—he looked pretty "smooth."

Watkins, H. F. Tousey, '22. If you ever intend to be a crook's pal and didn't see Tousey portray the part to perfection—you surely did miss something.

Captain Stone, I. R. Smith, '21. "Irv" certainly knows how to show authority and certainly looks good to take one of the "heavies" in the coming year.

Ryan, L. Stone, '20. Poor Stone caused himself lots of trouble when he looked Barnes up—he caused it for others too for—say—did you ever try squeezing a girl when you were handcuffed. Don't try it and get caught—'cause whoever locked them on you may suffer.

Kearney, W. DeVoe, Jr., '23. DeVoe certainly has an eagle eye—we greatly doubt the fact that anything can excite him and offer as a reward to anyone accomplishing the said fact a full bag of peanuts.

Police officers, N. P. Marks, '20, and W. E. Keith, '22. Marks and Keith, sounds like a vaudeville act doesn't it—on the contrary they were very stern "limbs of the law" and performed their duties in a loyal manner.

AFTERMATH

INTERCLASS BASEBALL

The usual interclass series for our first year consisted of two games between the Freshmen and Sophomore classes. The first game was scheduled before the varsity season opened in order to bring out possible new material from our class for the varsity, and they certainly did show up, 1920 taking a very creditable part in the football season which followed.

Both games of the interclass series, however, were won by 1919. In the first game we managed to give them quite a rub, the game being won by only three points on a safety. The score of the second game was 13 to 0. This season was not at all bad, considering that we were Freshmen.

INTERCLASS FOOTBALL

In our Freshman year Coach Brough introduced an interclass fall baseball series, work in baseball to be equivalent to gymnasium exercises. This scheme brought out quite a number of candidates from each class, and two games were played between the Freshmen and Sophomore classes. Our class credited itself in both games, not so much in winning games, but in showing a lot of pep and good baseball and in holding the Sophomores down to 4 to 2 in the first game and 1 to 0 in the second game.

In our second year we slipped up in both games of a similar series, allowing the Freshmen to beat us by 10 to 4 in the first game and 6 to 2 in the second game.

No series was held in our junior year on account of the S. A. T. C. and Naval Unit.

AFTERMATH



CLASS BASKETBALL

Basketball was in its infancy at Tech when the Class of 1920 entered as Freshmen. In order to stimulate interest in this sport, an inter-class series was carried out and was a most successful affair, especially as far as 1920 was concerned. We showed our heels to each of the three upper classes, the Juniors, Seniors and Sophomores taking the count in the order named.

—NINETEEN HUNDRED TWENTY—

AFTERMATH



SOCCKER

During the fall of our first year at Tech Professor Carpenter introduced soccer football in his physical training classes. The sport soon became popular and interclass games were arranged. 1920 proved her ability at picking up a new sport by winning the championship, and had her name engraved on the handsome silver trophy. In our Sophomore year we repeated, winning the finals of the interclass match from the Freshmen. During our Junior year no soccer was played, because of the S. A. T. C., but when we returned in the fall of 1919 as Seniors we showed that we remembered enough about the game to win the trophy again. 1920 is thus far the only class to win this trophy.

INTERCLASS TRACK

In the winter of our Freshman year an indoor interclass track meet was held, which was won by the Juniors; 1920 was at the bottom of the list. However this was no true indication of our ability in this direction, for when the outdoor meet was held in the spring the Freshmen were second, being defeated only by the Juniors. The next fall we bowed to the Freshmen in a Freshmen-Sophomore track meet. This was the last interclass track meet in which we took part, as since then only Freshmen-Sophomore meets have been held. This was won by the Freshmen over their Sophomore rivals in our junior year.

Tech Carnival

One of the events that is growing more popular and assuming a larger part in Tech affairs is the carnival. This year marked the fourth and by far the most successful of all the carnivals.

It was held on the 19th of December with an attendance exceeding all expectations. A great deal of credit is due the fraternities for the fine acts that they put on and also to the men who managed the affair.

The first act of the program was "The Eternal Triangle" presented in five parts by Alpha Tau Omega. It was a satire on the everyday hack-writers' movie plot, and conveyed its irony by acting out such a plot in pantomime with frequent flashing on the screen of appropriate sub-titles.

Phi Gamma Delta came second with a playlet entitled "Good Morning Judge." This will be remembered as a take-off on the popular antics which certain members of the class of '21 enjoyed at their "Half-Way-Thru" banquet at Southboro Arms. This was in the form of a mock trial in which one of the students was being tried for his part in the fracas.

The winning act came then: Phi Sigma Kappa in musical selections entitled, "Black and the Blues." It was a very well arranged act in the course of which all sorts of instruments were played by the members who appeared as darkies. The best part of it, which really decided them as the winners, was an anvil chorus. The setting for this was quite unique and must have taken a great deal of time to perfect. It consisted of a forge with the blacksmith standing near his fire. He was striking his anvil causing sparks to fly in time to the chorus played by the musicians. The act ended with a very snappy piece of jazz music which brought the house to its feet with applause.

AFTERMATH

The fourth act to appear was "Smoothing It Over," presented by Theta Chi. The quicksands of social planning were treated herein, and showed that it does not always pay to try to live up to styles to which we are not accustomed, and for which we are not adequately prepared.

Lambda Chi Alpha next presented a military skit called "Northern Lights." The whole burden of the plot was placed on the shoulders of two men, one of whom was a captain of infantry and the other was a colored person with an enormous capacity for work, performing a great many different duties with laughable effects. At the close of the act the aforesaid dusky child was helped across the stage by a terrific explosion of ammunition which brought the act to a close with a good laugh.

The next to last act, called "Echoes From Athens," presented by Delta Tau, was sort of a take-off on the old Grecian theatres in that they left a great deal to the imagination. Modern ideas superimposed the old way of playing, so ideas of advertising and of philosophy were presented with Athenian characters and costumes.

The last act of the evening and by no means the least was "A Prohibition Welsh Rarebit" presented by Sigma Alpha Epsilon. The title well reveals the plot, and it is shown again that there is no substitute for beer of any quality, and that the sins to which prohibition gives rise are perhaps worse than the sin of non-prohibition itself, a fact that has been well demonstrated to us since that famous amendment to the constitution went into effect.

After the main attractions were complete there were numerous side shows, the most important of which were those presented by the Freshmen and the Sophomore classes. It seemed that the Freshmen were better supplied with lady friends for it was voted that their side show was the better of the two.

BASKETBALL



AFTERMATH



VARSITY BASKETBALL TEAM

—NINETEEN HUNDRED TWENTY—

Basketball

Tech's basketball team came through the season 1919-1920 without a single defeat at the hands of any New England team, and consequently hold the championship of New England. Mr. Tower, Editor-in-Chief of the Joint Committee on Basketball Rules, and all the coaches of the teams we played gave Tech their unanimous vote for the claim to the championship.

Carroll Stoughton captained the team through its successful career. "Stought" was ineligible for a part of the season and his absence was sorely felt when we lost to Stevens and the Crescent A. C., both being New York teams. During his absence the team was led by Fred Pickwick.



FREDERICK W. BAUDER

AFTERMATH

Too much credit cannot be given the players for their spirit, perseverance, pluck and pep, examples of which were shown in the Springfield and New Hampshire State games for the championship. The Tech scoring trio made up of Capt. Stoughton and "Cy" Campbell, forwards and Tom Berry at center proved too much for the opposing teams' defense. Tom Berry at the pivot position was the sensation of the season and is considered the best center of any eastern college. The guard positions were taken care of by Archibald, Pickwick and White, and it was due to their stonewall defense that Tech was able to vanquish her rivals.

The team is a fighting team, a combination of stars working like a perfect machine. As individual players each showed brilliance but team work was never sacrificed.

To Coach Swasey is given the credit of developing this team work to the highest degree. His untiring efforts to have his team "get rid of it" resulted in the fastest kind of team passwork.

Frederick W. Bauder, '20, manager of the team, did his share by arranging an excellent schedule. He looked out for the team at all times and proved himself capable by his efficient handling of the crowds at the championship games.

The outlook for next year's team is very bright. All the players expect to be back again and with a good Freshman class to enter next fall, Tech should be in the running.

Edmund B. Saunders has been elected manager for next year and will have Lawrence Potter as an assistant. Fred Pickwick has been chosen to lead the team, let us hope, to another championship.

The team this year were presented with gold basketballs by the Musical Association.

FOOT



A FIORE
231

AFTERMATH



VARSDTY FOOTBALL TEAM

REVIEW OF 1919 FOOTBALL SEASON

			Tech	Opponents
October	4	Wesleyan	0	6
	11	Rensselaer	0	13
	18	M. A. C.	0	27
	25	Trinity	7	20
November	1	Amherst	0	42
	8	N. H. State	0	53
	15	R. I. State	6	6
	22	Stevens	0	62

AFTERMATH



MR. H. C. SWASEY, COACH

When the call for football candidates was made early in September, the prospects looked to be the brightest in years at Tech, but luck was against us from the start. With sixteen letter men in the squad, and six or eight other men who had considerable varsity experience all reporting, competition in the preliminary practice was keen indeed.

The first game, which was against the unusually strong Wesleyan team, showed that Tech had a fighting team and a good team. The score, while not in our favor, gives proof of this fact. The next two weeks failed to show the improvement that should have been made, and so a few days before the Trinity game Mr. H. C. Swasey resigned as coach in favor of Mr. Dussosoit, a former Dartmouth end. On the eve of this game, the Faculty raised its monthly havoc with the squad, and this, coupled with the injury of four first string men, left only a skeleton of the original varsity team. However, this team, fully half of which were substitutes, made the first Tech score of the season.

The remainder of the season was marred by injuries, several of which were serious, and Coach Dussosoit had a disheartening situation to face. With the aid of Captain Manning, whose tenacity, leadership, and football ability were very much in evidence throughout the season, Coach Dussosoit kept his team fighting to the end.

During the year conditions have changed somewhat, and we look forward to a far better season next year under the captaincy of Paul S. Sessions, and the coaching of Mr. F. T. Blake.

AFTERMATH



Varsity Baseball Team

SCHEDULE FOR 1920

APRIL

- | | | |
|----|------------------------------------|--------------|
| 18 | Connecticut Agricultural College | at Worcester |
| 24 | Massachusetts Agricultural College | at Amherst |

MAY

- | | | |
|----|-------------------------------------|--------------|
| 1 | Rhode Island State College | at Worcester |
| 7 | New York State College for Teachers | at Albany |
| 8 | Rensselaer Polytechnic Institute | at Troy |
| 12 | St. Anselm's College | at Worcester |
| 15 | New Hampshire State College | at Worcester |
| 20 | Springfield College | at Worcester |
| 22 | Middlebury College | at Worcester |

—NINETEEN HUNDRED TWENTY—

BASEBALL



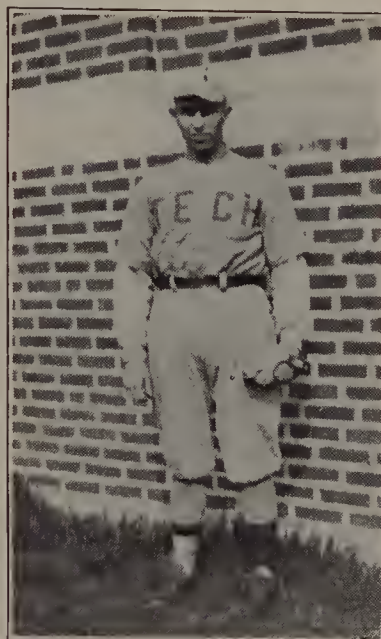
R.A. REED '22

AFTERMATH

Baseball

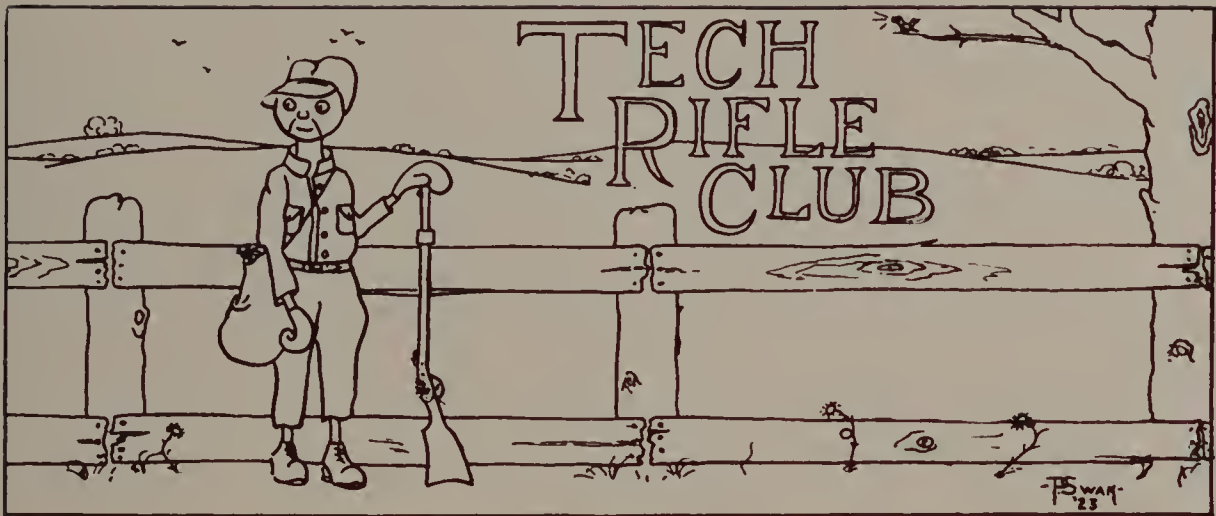
It is an ill wind that blows nobody good and this surely holds in the case of the past season in baseball, for on account of the war we had back this year a large number of letter men. Of the men who were here last year we have Kittredge, "Dick" Mason, Stoughton, Bagley, "Hal" Hunt, "Cy" Campbell, and Titcomb, while of the men returning to school we had "Bud" Marsh and Smith. Before the season opened Titcomb found it necessary to resign the captaincy on account of the large amount of work he was carrying. Nevertheless he still remained a loyal supporter of the team. Kittredge '22, was elected to take his place and under his leadership the team should see a successful season.

Coach Swasey has put in much time and effort in whipping the team into shape, but he has been considerably hampered by the condition of the field which prevented much out-door practice at the first of the season. H. W. Tenney '20 was manager this year and C. A. Callahan was assistant manager.



FRANCIS I. KITTREDGE

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH

The Rifle Club

President, R. M. ELDRED, '21

Secretary, E. PARKER, '20

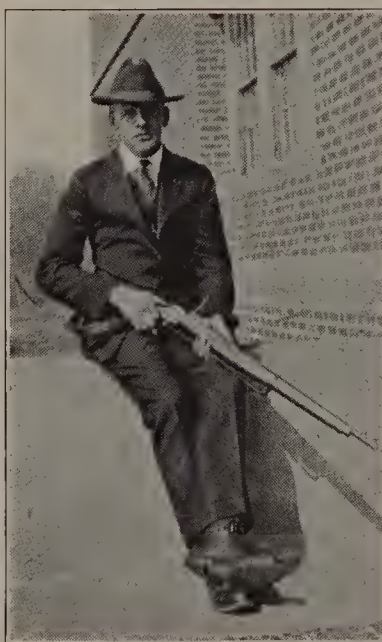
Treasurer, R. W. CUSHMAN, '22

Captain, E. L. THAYER, '20

The Rifle Club has had a very successful season. An unusually large number of men came out to the first meeting of the year, especially from the ranks of the Freshmen. At this first meeting it was announced that E. W. Bemis, E. Parker and E. L. Thayer would receive 90% medals from the War Department, as they had shot 90% or better in all the official matches last year. This year practically the whole team will receive these medals, as the individual scores in the intercollegiate matches are several per cent higher than last year. It is gratifying to note that some of the highest scores were made by new men. The high mark was set by O. H. Dodkin, '23, who shot 200 ex 200.

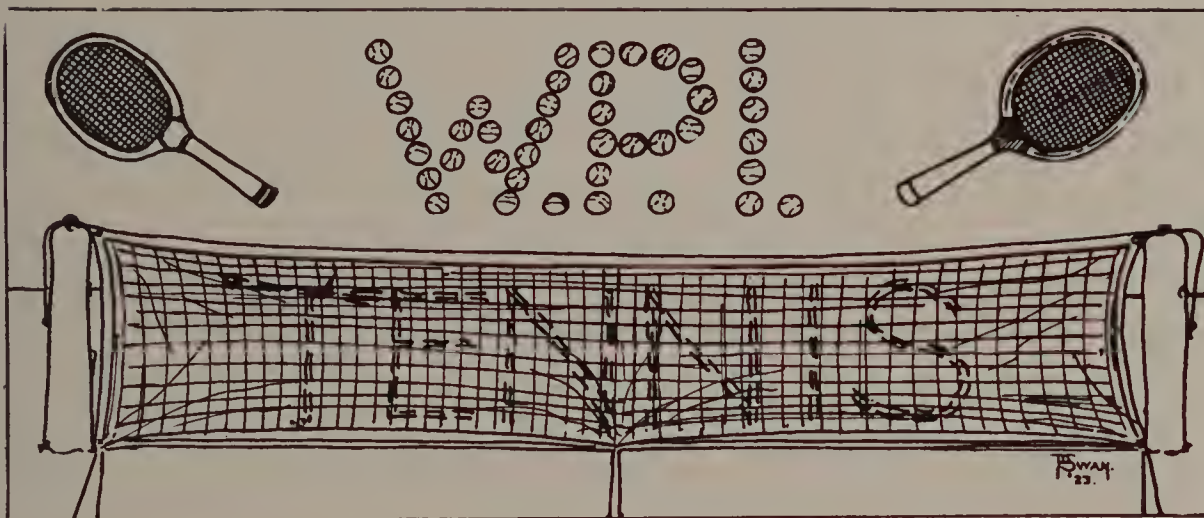
The Intercollegiate record is as follows:

NAME	Average Score	Total Score	No. Matches Shot in	No. Matches Qualified in
O. H. Dodkin, '23	195.9	1959	10	10
R. W. Cushman, '22	194.5	1945	10	8
I. R. Smith, '21	192.3	1731	9	5
J. L. Marston, '22	192.2	1922	10	5
E. L. Thayer, '20	191.7	1917	10	6
W. A. Ellsworth, '23	191.6	1916	10	6
R. M. Eldred, '21	191.4	1340	7	5
R. E. Chapman, '21	190.4	1904	10	4
R. W. Perry, '21	189.8	949	5	1
H. G. Hunt, '20	185.3	1297	7	0



E. L. THAYER

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH

The 1920 Tennis Season

The spring of 1920 found an abundance of good material ready and waiting to be picked for the team, and it was no easy matter for Captain Amsden and Coach Jennings to select the four best men, inasmuch as there were eight or more of about equal ability all striving for a position. As a result, a uniform system of challenging was worked out by the coach, and in this manner the right to play was definitely and fairly decided by the "best two out of three." Currier, the 1920 singles champion, easily maintained his position of supremacy at the head of the list, although the other positions were subject to momentary and unexpected changes.

Manager Woodward arranged a very attractive schedule, with a greater number of matches than in previous years. The first practice match was played and won at Worcester Academy, while the first regular match was lost at Amherst. After that, the team more than held its own, and began to win more consistently toward the end of the season.

With the splendid courts, and all the other necessary facilities for developing fast tennis players, together with those already available, there is no reason why Tech should not gradually attain the same place in this branch of sport that she has already won in basketball.

The 1920 schedule is as follows:

April 28	Worcester Academy at the Academy	Score, 4-1
May 1	Amherst at Amherst	" 0-6
May 7	Boston University at Worcester	" 4-5
May 8	Tufts at Medford	Cancelled (Rain)
May 12	Springfield Y. M. College at Springfield	" 3-3
May 15	Clark at Clark	" 5-2
May 22	Tufts at Worcester	Cancelled (Rain)
May 29	M. I. T. at Worcester.	
May 31	Springfield at Worcester.	
June 5	Worcester Tennis Club.	
June 8	Clark at Tech.	

AFTERMATH



TRACK TEAM

—NINETEEN HUNDRED TWENTY—

AFTERMATH

Track--Spring of 1920

There is an outlook for considerable good material to make up a Track Team, which will equal if not surpass the many previous good teams turned out at Tech. This is made more possible by the attainment of Mr. J. Fred Powers as coach. Coach Powers a few years ago was considered the best all around athlete in this section, and without doubt he will bring into account many stars for Tech who otherwise would not have been able to show themselves so.

The season starts with a full schedule in view. The meets to be held and entered into are as follows:

Trinity at Hartford	April 24th.
Tufts at Worcester	May 1st.
E. I. A. A. at Springfield	May 8th.
Springfield College at Worcester	May 15th.
N. E. I. A. A. at Boston	May 22nd.



EDWIN H. ROOT

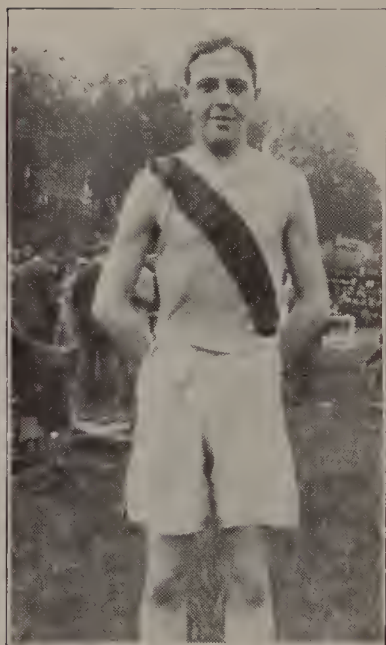
AFTERMATH



CROSS COUNTRY TEAM

AFTERMATH

Cross Country--Season 1919



M. W. GARLAND

For the first time since the close of the war, Tech was able to enter a Cross Country team into inter-collegiate competition. The team was successful in maintaining the reputation of former track teams of the Institute, whose records have become a source of pride to every Tech man.

The first dual meet was upon us before we could realize it. After less than a week of practice and trial runs, a team of eight men journeyed to Amherst to meet the "Aggies." It proved to be too much of a handicap to run over a strange course, five miles in length, Tech losing to the opponents 33 to 22.

Our next meet was also a dual event, Clark University being the opposing team. It was an easy race for W. P. I., the team of which, after two weeks of hard training, was in excellent shape. Six of our men finished the race before the first Clark man crossed the line. Trombley won the individual prize. The score finalized was 15 to 40.

The big event of the season was the N. E. I. A. A. Cross Country run at Franklin Park, Boston. Our team finished fifth, beating out such teams as Massachusetts Aggies, who had defeated us early in the season, Holy Cross, University of Vermont, and Boston College. Captain Garland did well to finish in ninth place for Tech. Bill Hoar finished fourteenth.

The final dual meet was against Boston College over the Bancroft Hill course. This too was an easy run for W. P. I. Garland, Hoar and Trombley had a merry fight for first place, finishing in the order named. The final score was 21 to 34 in favor of Tech.

The success of the team was owing to the consistently good work of Captain Garland, Hoar, Trombley and Marston. In every race, these men could be counted on to carry the team ahead.

At the close of the season, Captain Garland, Hoar and Trombley were awarded "W's" for their diligent work. Marston, Conway, Pickwick, Williams, White and Lundgren received the "cWc."

AFTERMATH



Burton R. Amsden	Tennis
Donald T. Canfield	Football
Harry W. Tenney	Baseball <i>Manager</i>
Frederick W. Bauder	Basketball <i>Manager</i>
Malcolm B. Arthur	Football
William W. Hall, Jr.	Relay
Harold G. Hunt	Baseball
Burton W. Marsh	Baseball
Howard C. Sargent	Football
Milton W. Garland	Track
Kenneth W. Crossman	Football
Fred Weitzen	Football

AFTERMATH



TECH COUNCIL

—NINETEEN HUNDRED TWENTY—

AFTERMATH



TECH NEWS BOARD

-NINETEEN HUNDRED TWENTY-

AFTERMATH

THE JOURNAL OF THE WORCESTER POLYTECHNIC INSTITUTE

Editors

PROF. GEORGE H. HAYNES

PROF. CHARLES J. ADAMS

Associate Editors

PROF. CHARLES M. ALLEN

PROF. CARL D. KNIGHT

Business Manager

PROF. ARTHUR D. BUTTERFIELD

Advertising Manager

PROF. HOWARD P. FAIRFIELD

Representing the Alumni

A. D. BUTTERFIELD, '93

R. M. BARR, '00

C. H. TOWER, '05

JOSEPH HARRIS, '08

R. H. TAYLOR, '95

F. O. PRICE, '00

A. C. WELD, '04

P. E. BARBOUR, '96

H. G. MORSE, '11

L. F. COPELAND, '08

A. E. RANKIN, '04

R. H. RUSSELL, '15

A. G. HOLMAN, '77

E. B. WHIPPLE, '94

J. W. TABB,

C. J. GRAHAM, '06

—NINETEEN HUNDRED TWENTY—

AFTERMATH



Y. M. C. A. CABINET

The Y. M. C. A. has this year made an attempt at coming back to pre-war conditions under the leadership of our new secretary, Willard B. Anthony. The functioning of the different committees was upset by the S. A. T. C. and everything had to be begun anew. The support of the National Y. M. C. A. was withdrawn at the end of the year, necessitating a drive for funds in which nearly a thousand dollars was contributed by students and others interested. The annual carnival was a great success, the gymnasium floor being packed to the limit. During the year only a few mass meetings were held due to the difficulty in obtaining speakers, but Bible study and discussion groups met in the Fraternities and rooming houses under the leadership of laymen and students. During the Christmas vacation six delegates attended the Student Volunteer Conference in Des Moines where 7000 students representing every college in America and every country in the world were assembled. After their return these gave many talks in the Worcester churches. The last drive of the year was for W. P. I. Scholarships in the Philip-pines, where former Secretary Stuart is located at the Jaro School.

AFTERMATH



ATHLETIC COUNCIL

—NINETEEN HUNDRED TWENTY—

AFTERMATH

WORCESTER POLYTECHNIC INSTITUTE

Dramatic Association

OFFICERS

W. W. HALL, JR., *President* K. R. PERRY, *Vice President*
R. B. HEATH, *Secretary* W. S. TITCOMB, *Treasurer*

FACULTY MEMBERS AND ADVISORY BOARD

DR. JOHN B. ZINN PROF. RICHARD C. JOSLIN

CLASS OF 1920

S. W. ARTHUR	R. B. HEATH
A. W. BASSETT	J. Q. HOLMES
F. W. BAUDER	C. N. HUGGINS
S. W. BRIGGS	O. A. NIERENDORF
N. C. FIRTH	K. C. RUSSELL
W. W. HALL, JR.	H. C. SARGENT

G. L. WHITE

CLASS OF 1921

E. I. BURLEIGH	K. R. PERRY
H. E. DRAKE	I. R. SMITH
W. C. HARCUS	W. S. TITCOMB

A. M. WHITTEMORE

—NINETEEN HUNDRED TWENTY—

AFTERMATH



The record of the musical association during the past year is something that every member of that organization may well be proud of. Starting the season with outstanding bills of approximately \$170.00, part of which had been carried over from the season before the war, and no money in the treasury, the Executive Committee took matters into their hands as no previous committee had ever done and refused to have the clubs play or sing at concerts without a guarantee being given that the expenses and a reasonable amount of money besides would be paid. This system worked out very well, for at the present time with all bills paid there is a bank balance of about \$100.00 with which the Executive Committee for next year may carry out a fuller program of activity than was possible this year.

Immediately upon the opening of school last year a dance was planned for October 25th. This dance was a huge success, being the biggest ever held in the gym. Credit for this is due to the very efficient manner in which Charles Lyman, chairman, organized and carried out his plans. With this encouragement a concert and dance was run on November 15th, which also was a big success. The chairman of this committee was Myron Chase. No other concerts were scheduled until January when concerts under the auspices of the Old South Boys' A. A., Kiwanis Club of Worcester, Pleasant Street Baptist Church, Westboro American Legion, Swedish Congregational Church, United Commercial Travellers of America, Quinsigamond Lodge No. 43 of Odd Fellows, Park Congregational Church, Worcester Business Womans' Club, and the Nurses Home at the City Hospital were scheduled for the remainder of the season. It would have been possible to schedule other

AFTERMATH

concerts if work on the "Hill" had not interfered. Next year it is to be hoped that the association will not only be able to pay all its own bills but that it will be in a position so that it will be possible to make a trip during the spring vacation.

Too much credit can not be given to Howard E. Drake, General Manager of the association. The prospects were anything but bright when the season opened, and there was enough criticism and advice being passed around to discourage any man. While he must have felt some of this he did not let it discourage him and certainly the final results testify as to his capability and efficient management. In losing Drake the association will lose one of its hardest workers and most interested members.

As a token of appreciation of the work the members of the association had done during the year, the Executive Committee voted to present to the interested members of the Clubs a charm to be hung on the watch chain. This charm is of very attractive design and was made especially for the Musical Association. Great credit should be given to the soloists who have taken part in the concerts: Will C. Marcus, '21, Charles Lyman, '21, Chester P. Currier, '22, Howard Trombley, '23, Clarence R. Barrington, '22, and John Wenzel, Jr., '23. Also the leaders of the various clubs deserve mention: Glee Club, Berton R. Amsden, '20; Mandolin Club, John A. Turner, '22; Orchestra, Frederick W. Bauder, '20.

The Executive Committee also voted to present gold basketballs to the victorious Basketball team. It seemed especially fitting that the Musical Association should give these basketballs since the money had been earned by Tech men and was given to other Tech men as an expression of appreciation of the fine work they did in bringing the New England Basketball Championship to Worcester Tech.

The Executive Committee this year was made up of five members, the four officers of the association and the General Manager. This is a new plan and has worked out exceedingly well, much better than the old plan of three members, President, General Manager and Member-at-large. The officers of the association this year were, President, Frederick W. Bauder; Vice-President, G. V. Johnson; Secretary, H. B. Whitmore; Treasurer, H. S. Hunting, and General Manager, Howard E. Drake.

AFTERMATH



MUSICAL ASSOCIATION 1919-1920

—NINETEEN HUNDRED TWENTY—

AFTERMATH



W. P. I. Wireless Association

Officers

President, ROGER H. BRYANT

Vice-Pres., RICHARD S. LEONARD

Corresponding Secretary, HAROLD B. WHITMORE

Rec. Sec'y., GUY F. WOODWARD

Treasurer, ROBERT W. CUSHMAN

Chief Op., WILMORE C. HARCUS

Faculty Adviser, EDWIN W. BEMIS

During the past year the Wireless Association has recovered somewhat from the influences of the two preceding years when, owing to government regulations on account of the war, it was impossible to operate the station. The restrictions have been removed and the station put back into operating condition.

One of the first pieces of reconstruction undertaken by the Association was the erection of a new aerial on the roof of the Electrical Building. Following this the sending apparatus was connected and a license obtained.

On April 23, 1920, the Association held a Ladies' Night, so far as is known the first in its history.

AFTERMATH



WORCESTER POLYTECHNIC INSTITUTE STUDENT BRANCH AMERICAN SOCIETY MECHANICAL ENGINEERS

Officers

President, STANLEY N. McCASLIN, '20

Treasurer, A. G. BLODGETT, '20

Vice-President, HARRY C. MERRITT, '20

Secretary, PAUL S. SESSIONS, '21

Corresponding Secretary, PROF. H. P. FAIRFIELD

During the year 1919-1920 a number of interesting meetings of the society have been held, at which various subjects of interest to engineers were discussed. All students taking the Mechanical Engineering course were required to attend, time being allowed them from some part of their work.



THE CIVIL ENGINEERING SOCIETY

Officers

President, BURTON W. MARSH, '20

Secretary, WALTER L. CALDER, '21

Vice-President, WALTER G. FIELDER, '21

Treasurer, HAROLD G. HUNT, '20

After a period of inactivity of a year on account of the war, the society became active again this year. At a meeting of the Executive Board, it was decided to try a new scheme on the form of meetings. Instead of relying on outside speakers wholly, some of the Seniors prepared and presented talks on such interesting topics as the St. Louis Bridge and the Hoosac Tunnel. Then, following this part of the meeting, refreshments were served. This part of the program met with approval, and offered an opportunity for the Civils, and Freshmen interested in the Civil course, to get acquainted.

As has been the custom, the last meeting of the year was given over to short talks by some of the Seniors on work done on thesis, and to the election of officers.

The new scheme of meetings seemed to meet with success, and will no doubt be better worked out in the years to come. There was an incentive to give a talk, in that thereby one was released from giving two Senior oral abstracts. Altogether, the year was a successful one.

AFTERMATH



SCEPTICAL CHYMISTS

Officers

President, HOWARD S. CARPENTER

Vice-President, EARL H. WINSLOW

Secretary-Treasurer, DR. JOHN B. ZINN

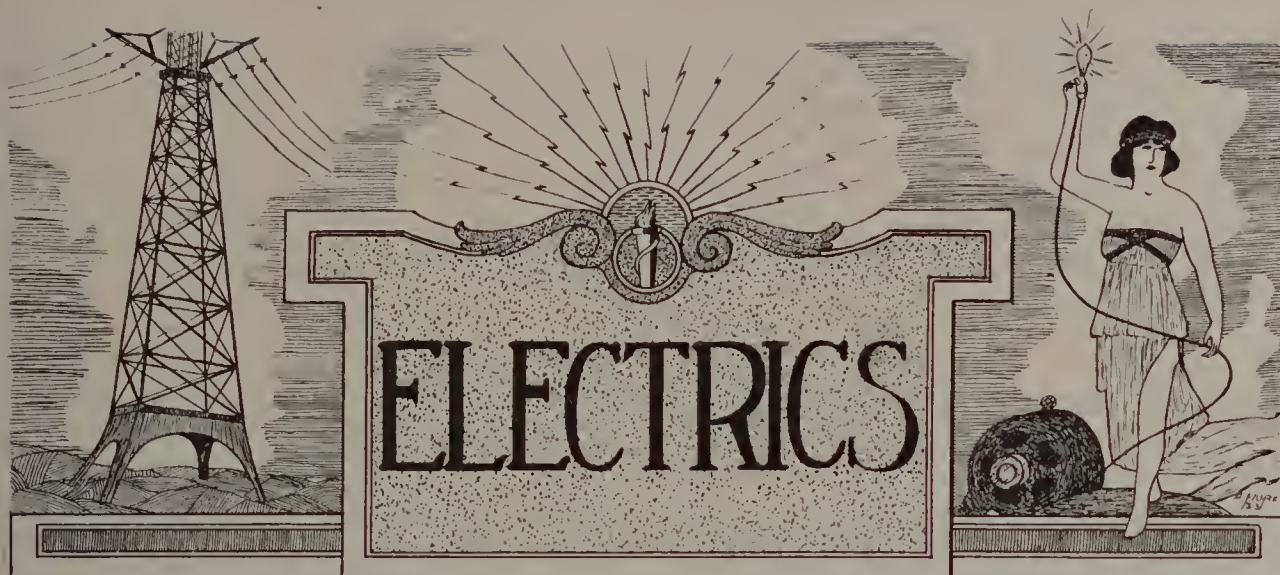
Councillors

HOWARD E. DRAKE

HAROLD P. HALE

FREDERICK PICKWICK

The Sceptical Chymists Society has now completed its fourth successful year. It was founded with the purpose of bringing the chemists together and promoting good fellowship among them. At meetings which are held twice a month topics of interest are presented by members of the society. Refreshments are served. Special meetings at which outside speakers have given interesting and instructive lectures were also held. At present plans are under way for the annual "Ladies' Night." The society has thirty-three active members and twenty provisional members.



WORCESTER POLYTECHNIC INSTITUTE BRANCH OF A. I. E. E.

Officers

President, D. T. CANFIELD, '20 *Secretary-Treasurer*, E. W. BEMIS, '19

Executive Committee

PROF. J. O. PHELON

E. K. BLOSS, '18

N. P. MARKS, '20

H. B. WHITMORE, '21

Two interesting meetings of this society were held in the fall, at which members of the Senior class told of their experiences during the previous summer. Among the larger concerns represented were the General Electric Company, the Westinghouse Company, and the Joseph Campbell Company, makers of the well known Campbell's Soups.

During the winter and early spring a "Section" of the A. I. E. E. was formed in Worcester, and the W. P. I. Branch of A. I. E. E. was dissolved, its members being largely absorbed into the Section.

At a meeting of the Branch Friday evening, March 12th, the executive committee having carefully considered the situation, submitted the recommendation that the Branch be discontinued, and the recommendation was adopted, the Secretary being empowered to close up the affairs of the Branch.

The Worcester Section of the A. I. E. E. includes members of the electrical engineering profession in and around the city. Its meetings, which take place once a month, are open to members of the Worcester Polytechnic Institute, either as Local, Student or Associate Members of the A. I. E. E. Arrangements have been made whereby students in the electrical engineering course may obtain a certain form of membership (either Local or Student) in the Section.

AFTERMATH



COMMENCEMENT COMMITTEE

—NINETEEN HUNDRED TWENTY—

AFTERMATH

Commencement Week Program

SUNDAY, JUNE 6

3:15 P. M.—A reception at the house of President and Mrs. Hollis to the Baccalaureate Preacher, the Trustees, the Faculty, and the members of the Graduating Class.

4:00 P. M.—The Baccalaureate Sermon by the Rev. Maxwell Savage, in Central Church, Institute Road.

MONDAY, JUNE 7

8:00 P. M.—Senior Theatre Party.

TUESDAY, JUNE 8

10:00 A. M.—Varsity Tennis Match.

3:00 P. M.—Baseball, Seniors vs. Alumni.

3:00 P. M.—Thirteenth Annual Meeting of the Worcester Polytechnic Institute Chapter, Sigma Xi, in the Lecture Room of the Electrical Engineering Building. Address: "Testing Intelligence," by Dr. Edwin G. Boring, Professor of Psychology, Clark University.

WEDNESDAY, JUNE 9

A. M.—Hydraulic Laboratory at Chaffins and Shops and Laboratories at the Institute open for inspection.

2:30 P. M.—Class Day Exercises on Institute Grounds.

3:30-5:30 P. M.—Reception at 11 Boynton Street by President and Mrs. Hollis to Alumni, the Graduating Class, and their friends.

4:00-7:00 P. M.—Open House at the Fraternities.

9:00 P. M.—Senior Dance at the Gymnasium.

AFTERMATH

THURSDAY, JUNE 10

10:00 A. M.—Commencement Exercises at the Gymnasium. Address: "Psychology and Industry," by Dr. G. Stanley Hall, President of Clark University.

11:30 A. M.—Alumni Business Meeting in the Y. M. C. A. Rooms of the Gymnasium.

2:00 P. M.—Alumni Dinner in the Gymnasium.

10:00 P. M.—Class Banquet at the Bancroft.

CLASS DAY EXERCISES, JUNE 9, 1920

MUSIC

Address of Welcome by the Class President, Malcolm B. Arthur; Sciotheric Oration, Donald T. Canfield; Class History, Burton W. Marsh.

ALMA MATER

Planting of Ivy, Winthrop S. Lawrence.

MUSIC

CLASS BANQUET, JUNE 10, 1920

Toastmaster, President Malcolm B. Arthur; Class Prophecy, Paul J. Harriman; Cheer Leader, Arthur W. Bassett.

TOASTS

Impromptus

Kenneth C. Russell
James M. Shute

Howard C. Sargent
Ernest L. Thayer

JUNIOR MARSHALS

W. W. Campbell
M. D. Chace
R. E. Chapman
G. P. Condit
H. S. Hunting

I. E. Manning
F. P. Millard
R. K. Perry
R. H. Pearson
P. S. Sessions

FRATERNITIES



AFTERMATH



INTERFRATERNITY COUNCIL

BEFORE FEBRUARY

Faculty, PROF. H. P. FAIRFIELD, Chairman

Faculty, PROF. H. B. SMITH, Secretary-Treasurer

Phi Gamma Delta, C. N. Huggins

Sigma Alpha Epsilon, C. T. Gilbert

Phi Sigma Kappa, O. A. Nierendorf

Delta Tau, M. C. Cowden

Alpha Tau Omega, R. B. Heath

Theta Chi, N. P. Marks

Lamba Chi Alpha,

G. H. Anderson

AFTER FEBRUARY

Faculty, PROF. H. P. FAIRFIELD, Chairman

Faculty, PROF. H. B. SMITH, Secretary-Treasurer

Phi Gamma Delta, H. S. Hunting

Sigma Alpha Epsilon, R. H. Pearson

Phi Sigma Kappa, E. I. Burleigh

Delta Tau, E. D. Johnson

Alpha Tau Omega, H. F. Tousey

Lamba Chi Alpha, H. H. Frary

Theta Chi,

W. C. Hareus

NINETEEN HUNDRED TWENTY

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



PHI GAMMA DELTA

-NINETEEN HUNDRED TWENTY-

AFTERMATH



ACTIVE CHAPTER OF PHI GAMMA DELTA

1920

Stuart Briggs
William Hall

Donald Canfield
Charles Huggins

Howard Sargent

1921

Howard Drake
Paul Sessions
Sewall Titcomb

Stanley Hunting
Irving Smith
John Williams

1922

Alden Brigham
Albert Gordon
Henry Latham
Howard Putnam

Warren Ellsworth
Wayne Keith
Charles Needham
Morgan Whitney

1923

William Carrick
Edwin Coghlin
Leon Hadley
Sterling Logan

Thomas Coe
Frank Frissell
Frank Hughes
John Wenzel

—NINETEEN HUNDRED TWENTY—

AFTERMATH

CHAPTERS

Amherst	Ohio Wesleyan
Brown	Wittenberg
Dartmouth	DePauw
Maine	Hanover
Mass. Inst. of Technology	Indiana
Trinity	Purdue
Williams	Wabash
Yale	Alabama
Columbia	Sewanee
New York University	Tennessee
Rutgers	Chicago
Colgate	Illinois
Cornell	Illinois Wesleyan
Syracuse	Knox
Union	Michigan
Johns Hopkins	Minnesota
Lafayette	Wisconsin
Lehigh	Iowa
Pennsylvania	Iowa State
Bucknell	Kansas
Gettysburg	Missouri
Penn. State	Nebraska
Richmond	Texas
Virginia	William Jewell
Washington and Lee	Colorado College
Allegheny	Colorado University
Pittsburgh	Oklahoma
Washington and Jefferson	Oregon
Western Reserve	Washington
Denison	California
Ohio State	Stanford

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



SIGMA ALPHA EPSILON

—NINETEEN HUNDRED TWENTY—

AFTERMATH



SIGMA ALPHA EPSILON

Faculty

PROF. PERCY R. CARPENTER

PROF. CHARLES M. ALLEN

1920

Charles C. Agar

Raymond D. Bishop

Herbert E. Brooks

Maurice W. Heinritz

Raymond F. Meader

Frederick E. Reiners

Baalis Sanford

Francis E. Smith

Oliver R. Wulf

1921

Chester W. Aldrich

Clarence B. Allen

Carleton T. Gilbert

Russell H. Pearson

Carl E. Skroder

1922

Charles I. Babcock

Roger M. Leland

Lloyd F. McGlinchey

Donald T. O'Neill

Armand L. Payette

J. Arlington Turner

Ernest P. Williams

1923

Joseph Burleigh

Edward L. Carrington

Maxson S. Crumb

Raymond W. Davis

Oswald H. Dodkin

Henry A. Fraser

Helsey A. Gallup

Harold H. Judson

Robert R. King

Russell F. Norton

Albert W. Peterson

Joseph Phalen

David Wilson, Jr.

—NINETEEN HUNDRED TWENTY—

AFTERMATH

CHAPTERS

Worcester Polytechnic Institute	University of Minnesota
University of Maine	Ohio Wesleyan University
Boston University	University of Cincinnati
Harvard University	Ohio State University
Mass. Institute of Technology	Case School of Applied Science
Dartmouth College	Mount Union College
New Hampshire College	Denison University
Cornell University	Miami University
Syracuse University	University of Wisconsin
Columbia University	Berlitt College
St. Lawrence University	Alabama Polytechnic Institute
St. Stephens College	Birmingham-Southern College
Pennsylvania State College	University of Alabama
Lafayette College	University of Florida
Gettysburg College	University of Georgia
Bucknell University	Emory University
University of Pennsylvania	Georgia School of Technology
Dickinson College	Mercer University
University of Pittsburgh	University of Arkansas
Allegheny College	University of Iowa
Carnegie Institute of Technology	Iowa State College
Davidson College	Kansas State University
University of North Carolina	Kansas State College
University of Virginia	University of Missouri
Washington and Lee University	Washington University
George Washington University	University of Nebraska
University of Illinois	University of South Dakota
Milliken University	Colorado Agricultural College
University of Chicago	University of Denver
Northwestern University	Colorado School of Mines
Franklin College	University of Colorado
Purdue University	University of Wyoming
Indiana University	Louisiana State University
Adrian College	Tulane University
University of Michigan	University of Oklahoma
University of Texas	University of Kentucky
Central University	Southwestern Presbyterian Univ.
University of Tennessee	Cumberland University
University of the South	University of Arizona
University of Nevada	University of Oregon
University of Washington	Montana State College
Oregon State Agricultural College	
	Bethel College
	Union University
	Vanderbilt University
	University of California
	Washington State College
	University of Idaho
	Leland Stamford, Jr., University

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



DELTA TAU

—NINETEEN HUNDRED TWENTY—



DELTA TAU

Faculty Member

PROF. A. J. KNIGHT

1920

Arthur W. Bassett
Merle C. Cowden
Howard P. Crane

Harold G. Hunt
Richard H. Martin
Malcolm J. Quimby

Arthur C. Sears

1921

Robert E. Chapman
J. William Cross
Einar D. Johnson

William L. Martin
Bernard C. Shaw
George R. Titcomb

Francis W. Towle

1922

Edward C. Dunn
Kenneth E. Hapgood
Albert H. Heineck
Lyman C. Lovell

Ralph G. Nourse
Russell A. Reed
John V. Russell
Donald W. Taylor

Alfred M. Whittemore

1923

Joseph C. Adams
Kenneth R. Bourne
Lawrence R. Brooks
Leonard J. Brooks
Carlton L. Brunt

George A. Bunyan
Alan D. Craig
Ernest R. Hunt
Claude M. Lamb
Winston H. Rowell

NINETEEN HUNDRED TWENTY

AFTERMATH

LOCAL FRATERNITY

Founded at the

Worcester Polytechnic Institute

FEBRUARY 22, 1906

—NINETEEN HUNDRED TWENTY—

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



ALPHA TAU OMEGA

—NINETEEN HUNDRED TWENTY—

AFTERMATH



ALPHA TAU OMEGA

Faculty Members

PROF. ARTHUR D. BUTTERFIELD

PROF. JOHN B. ZINN

1920

Lawrence Guy Bean
Norman Charles Firth
Paul Jones Harriman
Raymond Benjamin Heath

Franklin Theodore Holmes
Helmer Philip Julius Johnson
Burton Wallace Marsh
Stanley Nutting McCaslin

1921

Forest Mortimer Douglass, Jr.
Robert Moseley Eldred
Robert Graham Ferguson
Roger Ripley Jenness

Charles Martin Lyman
Irving Edward Manning
Edwin Hubbard Root
Edmund Burton Saunders

Harold Francis Tousey

1922

Edward Herman Colesworthy
Arthur Murray Duff
Neil Thomas Heffernan
Raymond Munroe Henshaw
Lawrence Knowles Hyde

Roger Treat Jackson
Herbert Arthur Johnson
Edward Lynch Reilley
George Vos Upton, Jr.
Richard Williamson

1923

Milton Amasa Bemis
John William Campbell
Wilbur Sanderson Colby
Harold Clement Johnston

Donald McAllister
Percival Earl Meyer
Eden C. Cook
Elwood Hiller
Ralph Wallace White
Robert Merritt Terry

NINETEEN HUNDRED TWENTY

AFTERMATH

CHAPTERS

Province I—Florida and Georgia

Florida Alpha Omega—University of Florida; Georgia Alpha Beta—University of Georgia; Georgia Alpha Theta—Emory University; Georgia Alpha Zeta—Mercer University; Georgia Beta Iota—Georgia School of Technology.

Province II—Illinois, Indiana, Michigan and Wisconsin

Illinois Gamma Zeta—University of Illinois; Illinois Gamma Xi—University of Chicago; Indiana Delta Alpha—University of Indiana; Indiana Gamma Gamma—Rose Polytechnic; Indiana Gamma Omicron—Purdue University; Alpha Mu—Adrian College; Michigan Beta Kappa—Hillside College; Michigan Beta Lambda—University of Michigan; Michigan Beta Omicron—Albion College; Wisconsin Gamma Tau—University of Wisconsin.

Province III—Colorado, Kansas, Nebraska and Wyoming

Colorado Gamma Lambda—University of Colorado; Kansas Gamma Mu—University of Kansas; Nebraska Gamma Theta—University of Nebraska; Wyoming Gamma Psi—University of Wyoming

Province IV—Maine, Massachusetts, New Hampshire, Rhode Island and Vermont

Maine Beta Upsilon—University of Maine; Maine Gamma Alpha—Colby College; Massachusetts Beta Gamma—Massachusetts Institute of Technology; Massachusetts Gamma Beta—Tufts College; Massachusetts Gamma Sigma—Worcester Polytechnic Institute; New Hampshire Delta Delta—New Hampshire State College; Rhode Island Gamma Delta—Brown University; Vermont Beta Zeta—University of Vermont.

Province V—New York and Pennsylvania

New York Alpha Omicron—St. Lawrence University; New York Beta Theta—Cornell University; New York Delta Gamma—Colgate University; Pennsylvania Alpha Iota—Muhlenberg College; Pennsylvania Alpha Pi—Washington and Jefferson College; Pennsylvania Alpha Rho—Lehigh University; Pennsylvania Alpha Upsilon—Pennsylvania College; Pennsylvania Gamma Omega—Pennsylvania State College; Pennsylvania Tau—University of Pennsylvania.

Province VI—North Carolina, South Carolina and Virginia

North Carolina Alpha Delta—University of North Carolina; North Carolina Xi—Trinity College; South Carolina Beta Xi—College of Charleston; Virginia Beta—Washington and Lee University; Virginia Delta—University of Virginia.

Province VII—Ohio

Ohio Alpha Mu—Mount Union College; Ohio Alpha Psi—Wittenberg College; Ohio Beta Eta—Ohio Wesleyan; Ohio Beta Rho—Marietta College; Ohio Beta Omega—Ohio State University; Ohio Gamma Kappa—Western Reserve.

Province VIII—Tennessee and Kentucky

Kentucky Mu Iota—State University of Kentucky; Tennessee Alpha Tau—Southwestern Presbyterian University; Tennessee Beta Pi—Vanderbilt University; Tennessee Beta Tau—Union University; Tennessee Omega—University of the South; Tennessee Pi—University of Tennessee.

Province IX—California, Oregon and Washington

California Beta Psi—Leland Stanford; California Gamma Iota—University of California; Oregon Alpha Sigma—Oregon Agricultural College; Oregon Gamma Phi—University of Oregon; Washington Gamma Chi—Washington State College; Washington Gamma Pi—University of Washington.

Province X—Alabama, Louisiana and Texas

Alabama Alpha Epsilon—Alabama Polytechnic Institute; Alabama Beta Beta—Birmingham-Southern College; Alabama Beta Delta—University of Alabama; Louisiana Beta Epsilon—Tulane University; Texas Gamma Beta—University of Texas; Texas Delta Epsilon—Southern Methodist University.

Province XI—Iowa, Minnesota and Missouri

Iowa Beta Alpha—Simpson College; Iowa Delta Beta—University of Iowa; Iowa Gamma Upsilon—Iowa State College; Minnesota Gamma Nu—University of Minnesota; Missouri Gamma Rho—University of Missouri; Missouri Delta Zeta—Washington University.

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



THETA CHI

—NINETEEN HUNDRED TWENTY—

AFTERMATH



THETA CHI FRATERNITY

Faculty Member
CARLETON ALLEN REED

Post Graduate Member
FREDERICK WILLIAM HUBBARD

1920

Paul Meyer Abbott
Richard Brown
Kenneth Ward Crossman

Milton Ward Garland
Russel Bunce Henschman
Raymond Clarence Leland

Norman Preston Marks
Harry Chamberlain Merritt
Edgar Parker

1921

Frederick Dewey Benz
Gardner Westhouse Brown
Howard Sellev Carpenter

Philip Kees Davis
Harold Preston Hale
Wilmore Custer Marcus
Earl Reginald Wolcott

Robert William Perry
Louis Frank Rahm
Alexander Lewis Wilson

1922

Walker Armington, 3rd
John Hayes Carter
William Henry Cooney
Irving Maynard Desper
Emerson Bradford Donnell
Richard Dudley Field

Donald Fowler Fritch
John Alexander Herr
Wilfred Consitt Howe
Fred Gilbert Johnson
Richard Francis Johnson
Enfried Torsten Larson

Kenneth James Lloyd
Carl Frederick Meyer
Everett Lincoln Saunders
Paul Marion Schmitt
Ralph William Thayer
Emerson Marion Williams

1923

Carl Roy Carlson
Oresti Emil Gianni
Albert Perry Hayden

Edwin Henry Mattson
Edwin Lemuel Mohm
Roger Nichol Murphy

George Herbert Nelson
Alfo Carl Pasini
Ralph Dederer Paul

Edmund Greenwood Reed

Harold Harrison White

—NINETEEN HUNDRED TWENTY—

AFTERMATH

LIST OF CHAPTERS

Alpha	Norwich University
Beta	Massachusetts Institute of Technology
Gamma	University of Maine
Delta	Rensselaer Polytechnic Institute
Epsilon	Worcester Polytechnic Institute
Zeta	New Hampshire State College
Eta	Rhode Island State College
Theta	Massachusetts Agricultural College
Iota	Colgate University
Kappa	University of Pennsylvania
Lambda	Cornell University
Mu	University of California
Nu	Hampden-Sydney College
Xi	University of Virginia
Omicron	Richmond College
Pi	Dickinson College
Rho	University of Illinois
Sigma	Oregon Agricultural College
Tau	University of Florida
Upsilon	New York University
Phi	North Dakota Agricultural College
Chi	Alabama Polytechnic Institute
Psi	University of Wisconsin
Omega	Pennsylvania State College
Alpha Beta	University of Pittsburgh
Alpha Gamma	University of Michigan
Alpha Delta	Purdue University
Alpha Epsilon	Leland Stanford University

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



LAMBDA CHI ALPHA

—NINETEEN HUNDRED TWENTY—

AFTERMATH



LAMBDA CHI ALPHA

Faculty Member

PROF. CARL DUNHAM KNIGHT

Graduate Student

RUDOLPH H. FREELAND

1920

Burton R. Amsden
George H. Anderson
Malcolm B. Arthur
Stanley W. Arthur

A. Gerry Blodgett
Leslie C. Beyer
Roger M. Grimwade
John Q. Holmes

Gustav V. Johnson
James M. Shute
Leland Stone
Lester C. Wightman

1921

Elof G. Backlin
Raymond J. Badgley
Francis I. Kittredge

Cornelius A. Callahan
Francis P. Conlin

Ralph L. Draper
Edward J. P. Fisher
Leo Icre E. Maynard

1922

Dean W. Alden
Webster B. Brockelman
Edward L. Campbell
Martin J. Conroy

Hubert H. Frary
William S. Hoar
Philip W. Lundgren
Walter F. Munford

Alfred S. Urquhart
Philip H. White
Everett C. Wightman
Robert M. Wilder

1923

Carlton H. Bliss
Arthur E. Bysshe
Carl F. Carlstrom

Milton G. Dexter
Henry F. Ferry
Richard L. Kimball

Ello E. Richardson
Richard H. V. Shaw
James A. Whelpley

—NINETEEN HUNDRED TWENTY—

AFTERMATH

Founded at Boston University November 2, 1909.

Pi Zeta established at W. P. I., June 5, 1913.

ROLL OF CHAPTERS

1909 Boston University.	1916 Harvard University.
1912 Mass. Agricultural College.	1917 Colgate.
1912 University of Pennsylvania.	1917 Northwestern.
1912 Pennsylvania State College.	1917 Oregon Agricultural College.
1912 Brown University.	1917 University of Wisconsin.
1912 Mass. Institute of Technology.	1918 Cumberland University.
1913 University of Maine.	1918 University of Alabama.
1913 University of Michigan.	1918 Missouri School of Mines.
1913 Rutgers.	1918 University of Denver.
1913 Bucknell University.	1918 Indiana University.
1913 Worcester Polytechnic Institute.	1918 University of Texas.
1913 Cornell University.	1918 Iowa State College.
1913 University of California.	1918 Oklahoma A. and M. College.
1914 Washington State College.	1918 Franklin and Marshall.
1914 Rhode Island State College.	1918 Syracuse University.
1914 Dartmouth College.	1918 New Hampshire State College.
1914 Louisiana State University and A. and M. College.	1918 Richmond College.
1915 DePauw University.	1918 Ohio University.
1915 University of Illinois.	1918 Wabash College.
1915 Alabama Polytechnic Institute.	1918 Western Reserve University.
1915 Knox College.	1918 Colby College.
1915 University of Georgia.	1918 University of Washington.
1915 Union College.	1919 University of Akron.
1916 Purdue University.	1919 University of Cincinnati.
1916 Butler College.	1919 University of Pittsburg.
1916 University of South Dakota.	1919 Washington and Jefferson.
	1919 Denison University.

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



PHI SIGMA KAPPA

—NINETEEN HUNDRED TWENTY—

AFTERMATH



PHI SIGMA KAPPA

Faculty Members

PROF. FRANCIS W. ROYS

PROF. A. WILMER DUFF

1920

Frederick W. Bauder
Carl H. Berg
Oscar A. Nierendorf

Charles W. Parsons
Robert A. Peterson
Kenneth C. Russell

Rudolph C. Stange
Ernest Thompson, Jr.
George L. White

1921

Frank K. Brown
Edward I. Burleigh
Wendell W. Campbell
Myron D. Chace

George P. Condit
William N. Dudley
Walter G. Fielder
Carroll A. Huntington

Lyle J. Morse
Richard P. Penfield
Kenneth R. Perry
Lawrence S. Potter

Lincoln Thompson

Harold B. Whitmore

1922

Addison W. Barr
Clarence R. Barrington
Chester P. Currier
Winchester DeVoe, Jr.

Donald F. Farnsworth
Frank R. Mason
George F. Penniman
Edwin L. Sholz

Dwight A. Sponberg
William Stevenson
Carroll Stoughton
Elmer S. Thayer

1923

Arthur W. Anderson
Robert E. Bateson
Ira W. Bell
Thomas W. Berry
Ira S. Bushnell

Everett H. Clark
Howard A. Cragin
Judson M. Goodnow
Winthrop T. Morgan
Raymond D. Morrison
William R. Voight

Fred Pickwick, Jr.
Phillip J. Robinson
Harold T. Smith
Richard B. Swallow
Howard J. Trombley

—NINETEEN HUNDRED TWENTY—



AFTERMATH

CHAPTERS

- | | |
|--|---|
| 1873 A Mass. Agricultural College. | 1903 P Queen's University (Ontario). |
| 1888 B Union University. | 1903 Σ St. John's College (Maryland) |
| 1889 Γ Cornell University. | 1905 T Dartmouth College. |
| 1891 Δ West Virginia University. | 1906 Y Brown University. |
| 1893 E Yale University. | 1906 Φ Swarthmore College. |
| 1896 Z College of the City of New York. | 1906 X Williams College. |
| 1897 H University of Maryland. | 1907 Ψ University of Virginia. |
| 1897 Θ Columbia University. | 1909 Ω University of California. |
| 1899 I Stevens Institute of Technology. | 1910 A Δ University of Illinois. |
| 1899 K Pennsylvania State College. | 1910 B Δ University of Minnesota. |
| 1899 Λ George Washington University. | 1911 $\Gamma\Delta$ Iowa State College. |
| 1900 M University of Pennsylvania. | 1915 $\Delta\Delta$ University of Michigan. |
| 1901 N Lehigh University. | 1915 E Δ Worcester Polytechnic Institute |
| 1902 Ξ St. Lawrence University. | 1917 Z Δ University of Wisconsin. |
| 1902 O Mass. Institute of Technology. | 1917 H Δ University of Nevada. |
| 1903 Π Franklin and Marshall College. | |

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



COSMOPOLITAN CLUB

—NINETEEN HUNDRED TWENTY—

AFTERMATH

COSMOPOLITAN CLUB

Officers

President, DOUGLAS EDWARD HOWES

Cor. S'y., RICARDO GONCALVES PEREIRA

Vice-President, LI CHEN

Treasurer, RAYMOND FRANCIS DYER

Rec. Sec'y., JOHN HSUEH-HAN TSUI

Vice-Pres., N. E. Dist., LESLIE M. ABBE

Honorary Members

PROF. RICHARD C. JOSLIN

MR. WILLIAM C. HIMMER

DR. IRA NELSON HOLLIS

Faculty Members

PROF. ZELOTES WOOD COOMBS

PROF. WALTER LOUIS JENNINGS

PROF. A. WILMER DUFF

PROF. ARTHUR W. EWELL

MR. WILLARD B. ANTHONY



AFTERMATH

Active Members

1920

Charles Clifden Agar
Raymond Francis Dyer
Percy Albin Hill
Saul Rabinowitz

Harold Danforth Boutelle
Allan Winship Hill
Douglas Edward Howes
Irving Martin Will

1921

Howard Eliot Drake
Daniel Timothy McCarthy

Cyril Israel
Ricardo Goncalves Pereira

1922

Leslie Morgan Abbe
Enfried Torsten Larson
Carl Sherwood Roys

Li Chen
James Lendo Marston
Hratch Garabed Sohigian

1923

Bertil Walter Aspelin
Carl Frederick Carlstrom
John Alexander Dufault
Joaquin Reyes
John Hsueh-han Tsui

Milenko Bilyitch
William Roy Carrick
Charles Freeman Hawley
Elmo Tanner
Misdrag V. Yelissiyevitch

—NINETEEN HUNDRED TWENTY—

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



TAU BETA PI

—NINETEEN HUNDRED TWENTY—

AFTERMATH

TAU BETA PI
ALPHA CHAPTER OF MASSACHUSETTS
ESTABLISHED MAY 14, 1909

Honorary Members

Ira N. Hollis

Faculty Members

Francis J. Adams
Charles M. Allen
Charles B. Hurd

Carl D. Knight
Gleason H. MacCullough
Joseph O. Phelon

Albert S. Richey

Graduate Members

Edwin W. Bemis
Ernest K. Bloss
Harold W. Dows

Frederick W. Hubbard
Dean J. Locke
Hobart H. Newell

Ralph F. Tenney

Student Members

1920

George H. Anderson
George B. Blaisdell
Albert C. Blodgett
Roger H. Bryant
Frederick R. Butler
Leslie C. Byer
Carl G. Englund
Allan W. Hill
Percy A. Hill
Winthrop S. Lawrence
Norman P. Marks

Burton W. Marsh
Robert A. Peterson
Frederick E. Reiners
Francis E. Smith
Rudolph C. Stange
Leland Stone
Harry W. Tenney
Ernest L. Thayer
Ernest Thompson, Jr.
Norman H. Willby
Oliver R. Wulf

1921

Harold S. Black
Cornelius A. Callahan
Howard S. Carpenter
George P. Condit

Roger R. Jenness
Lawrence S. Potter
Irving R. Smith
Harold B. Whitmore

Earl H. Winslow

—NINETEEN HUNDRED TWENTY—

AFTERMATH

TAU BETA PI

- 1885 Pa.—Lehigh University.
- 1892 Mich. A—Michigan Agricultural College.
- 1893 Ind. A—Purdue University.
- 1896 N. J. A—Stevens Institute.
- 1897 Ill. A—University of Illinois.
- 1898 Wis. A—University of Wisconsin.
- 1900 Ohio A—Case School of Applied Science.
- 1901 Ky. A—University of Kentucky.
- 1902 N. Y. A—Columbia University.
- 1904 Mo. A—University of Missouri.
- 1904 Mich. B—Michigan College of Mines.
- 1905 Colo. A—Colorado School of Mines.
- 1905 Colo. B—University of Colorado.
- 1906 Ill. B—Armour Institute of Technology.
- 1906 N. Y. B—Syracuse University.
- 1906 Mich. Γ—University of Michigan.
- 1906 Mo. B—Missouri School of Mines.
- 1906 Cal. A—University of California.
- 1907 Iowa A—Iowa State College.
- 1908 N. Y. Γ—Rensselaer Polytechnic Institute.
- 1909 Iowa B—University of Iowa.
- 1909 Minn. A—University of Minnesota.
- 1910 N. Y. Δ—Cornell University.
- 1910 Mass. A—Worcester Polytechnic Institute.
- 1910 Me. A—University of Maine.
- 1912 Pa. B—Pennsylvania State College.
- 1912 Wash. A—University of Washington.
- 1914 Ark. A—University of Arkansas.
- 1914 Kan. A—University of Kansas.
- 1915 Ohio B—University of Cincinnati.
- 1916 Pa. Γ—Carnegie Institute of Technology.
- 1916 Tex. A—University of Texas.

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH

W. P. I. CHAPTER OF THE SOCIETY OF THE SIGMA XI

I. N. Hollis
G. H. Haynes
W. L. Jennings
H. B. Smith
A. W. French
W. W. Bird
A. W. Duff
A. L. Smith
J. O. Phelon
C. M. Allen
H. C. Ives
C. A. Read
R. C. Sweetser
R. K. Morley
A. D. Butterfield
A. W. Ewell
A. S. Richey
C. D. Knight
C. A. Pierce
D. F. Calhane
H. P. Fairfield
M. Masius
A. J. Knight
F. J. Adams
F. W. Roys
C. D. Haigis

C. B. Hurd
G. H. MacCullough
R. F. Tenney
E. W. Bemis
E. K. Bloss
H. H. Newell
D. J. Locke
J. B. Zinn
R. E. Lamb
G. H. Anderson
A. G. Blodgett
R. H. Bryant
L. C. Byer
P. A. Hill
H. P. Johnson
W. S. Lawrence
W. E. Lawton
N. P. Marks
B. W. Marsh
F. E. Smith
R. C. Stange
L. Stone
H. W. Tenney
E. L. Thayer
N. H. Willby
O. R. Wulf

AFTERMATH

CHAPTER ROLL

Cornell	Michigan
Rensselaer	Illinois
Union	Case
Kansas	Indiana
Yale	Missouri
Minnesota	Colorado
Nebraska	Northwestern
Ohio	Syracuse
Pennsylvania	Wisconsin
Brown	Washington State
Stanford	Worcester
Iowa	Purdue
California	Washington University
Columbia	Dist. of Columbia
Chicago	Texas

AFTERMATH



SKULL

1920

Burton R. Amsden
Malcolm B. Arthur
A. Gerry Blodgett
Herbert E. Brooks
Donald T. Canfield
Merle C. Cowden
Milton W. Garland
William W. Hall

Paul J. Harriman
Raymond B. Heath
Harold G. Hunt
Stanley N. McCaslin
Howard C. Sargent
Harry W. Tenney
George L. White
Oliver R. Wulf

1921

Cornelius A. Callahan
Wendell W. Campbell
Philip K. Davis
Howard E. Drake
Robert G. Ferguson

Walter G. Fielder
Irving E. Manning
Paul S. Sessions
Irving A. Smith
William S. Titcomb

AFTERMATH



SKULL

—NINETEEN HUNDRED TWENTY—

AFTERMATH

THE SCHOLEM ALEICHEM CLUB

Officers

President, SAUL QUINN

Vice-President, ED. ROSENBLATT

Recording Secretary, L. LEVY

Treasurer, M. HUROWITZ

This society is composed of the majority of the Jewish students attending the Institute, and has just passed the most successful of the four years of its existence. Meetings are held bi-monthly at the various homes of the members, where an address is given by a guest, on some current event topic. This society, during the past season, has materially increased its scope of activities. On February 15, 1920, a smoker was held in the Y. M. C. A. reception rooms, in conjunction with the Menorah Club at Clark. Again, on March 8, 1920, these two societies held a basketball game and dance in the Tech gym.

1920

E. E. Wolfe

S. Rabinowitz

1921

S. Quinn

M. Goodman

E. Rosenblatt

C. Israel

M. Graff

1922

H. Slobin

L. Shack

S. Hurowitz

1923

D. Sandman

L. Levy

M. Hurowitz

M. Levine

H. Friedman

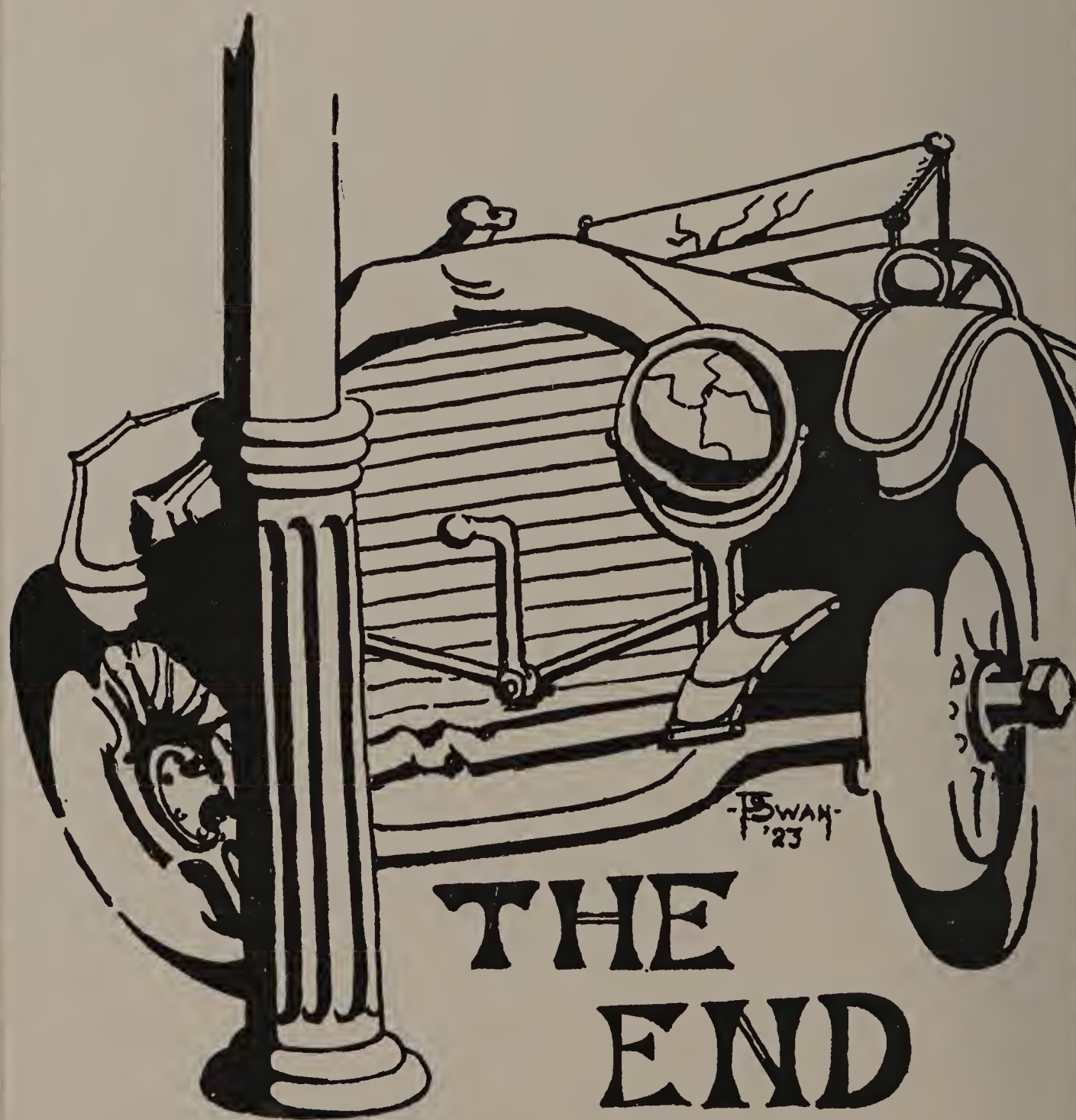
AFTERMATH



SHOLEM ALEICHEM

—NINETEEN HUNDRED TWENTY—

AFTERMATH



THE
END

NINETEEN HUNDRED TWENTY

AFTERMATH



SENIOR MECHANICS' GRAND CELEBRATION

(Orgy to take place directly after commencement.)

1. Everybody gets lit up like a church.
(Nierendorf will officiate.)
2. Merritt vs. Weitzen, four round bout on the running track, for a "yellow" decision.
3. Offering of gifts of \$1000 to each Mechanic by the Faculty as an apology for their treatment. (Anyone may refuse to accept this gift if it troubles his conscience.)
4. Grand wind-up of the crap season; no loaded dice allowed. Be prepared—buy Harriman's book.
5. Presentation:

To Joe Busey, one cud of chewed tobacco; to Charlie Allen, one box of cigar butts, one row of apple trees, and a what not; to B. A., a new pipe, a package of Bull (Durham), and "things like that"; to Ding, a ——— on a slip of paper; (Fill the blank to suit your taste.); to Prexy, a new brand of nose paint and a red necktie; to the female office help, the cat's pajamas with lots of love and kisses; to Doc Ingraham, an extra large sized manure spreader to push around in

AFTERMATH

front of his Ford; may his children be garage men; to Pop Monroe, a list of our acquaintances at the Casino; to Jinny, a leather covered volume of "Guano"; to Piggy, some molasses candy and specimens of French art for use in his book-keeping course; to Spider, a Smith motor wheel for his bicycle.

6. 15 minute shoveling race. J. Q. will start from scratch, Nierendorf 2 minute handicap, Wightman 2 minutes, and Blaisdell 5 minutes.

A. L. (in Design) "Let me have that on a slip of paper."

A. L. (When the class is all waiting for Harriman.) "You are taking too much time on that problem."



According to Charlie Allen, a modern plant needs a great deal of whatnot for efficient operation, and B. A. believes in the installation of "things like that."

A good hydraulic engineer "gets into the water" to solve a problem; however he doesn't get wet.

Pop Monroe was conspicuous by his absence at this year's Tech night. It must be he has other interests to keep him busy.

Spider: (When we were Juniors and cut one of his classes.) "You guys are the rottenest bunch that ever entered the Institute, and your reputation has gone before you." (You see he had been talking with Haigis.) "But don't think I lost any money out of this deal, for you are the only one that suffered." (Also more razz.)

We will remember Doc Morley as the founder of the Ancient and Honorable Order of the Double Cross.

Nierendorf advises us to put up at the Salvation Army when we go to Hartford. Fine accommodations, he says, and no joke either.

AFTERMATH

Senior Abstracts



The Senior Mechanics but little have said,
Except as they do to earn their bread.
But one in their midst, on a bright Spring day,
Hitched **Gerry** into that proverbial **Shea**.

Then he drove thru the **Meaders** and **Heaths** instead,
Where the **Wightman's Bean** turns a **Carlisle** red.
"**Bob**" **White** with a **Russell** flew out of the way
While our Tech Mechanic breathed the odor of hay.

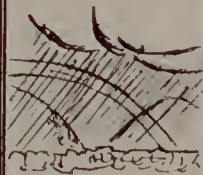
The road he followed soon **Woodward** led,
Where the **Brooks** to the ocean meandered or sped.
A **Crane** by the pond had little to say
When the **Bassett** the bait and dearly did pay.

Paul Jones dances were not in his head,
And a **Crossman** in there might as well have been dead.
Green **Garlands** of **Merritt** Mother Nature did lay
On the mountains about her that fine Spring day.

Many **White Hills** showed their tops far ahead
While **Over All Near** ones green reigned instead.
A shower such as comes in the month of May
Soon put on the "**Fritz**" the sun and each ray.

From the flowers in the **Grass Busy Bees** quickly fled,
And the birds to their nests from the "**Gus**"ts flew in
dread.
Since all to their **Holmes** had gone to stay
Our Senior Mechanic just headed that way.

There the cart and the steed were awaited by **Fred**.
But, our hero had slept with his desk for a bed.
Thus he came to himself, and they heard him say:
"Why, all of us mechanics were in that array."



AFTERMATH

THE MECHANICS DAILY (Ladies Must Not Read This.)

Weather: For yesterday, Fair and Cloudy. For today, Can't tell yet.

The joke is yet to be found which will cause Ding to laugh. All good Mechanics on the trail!

Hats off to Blaisdell; he has a clean collar on! We must also congratulate him on solving the high cost of living—he wears pajamas for underwear, novel but extremely effective.

The P-Pill predicts a tale of woe unto him who first dares to produce an ink bottle in Dingtote's class.

The P-Pill is receiving subscriptions to defray the expenses of Bean's next haircut. Be generous, Mechanics, as the proposition is fast becoming a weighty matter.

Merritt is safe for a while, as Weitzen has gone to California.

The elections to Sigma Si show Gerry Blodgett among those drafted. We trust his character will suffer no serious results from the associations. Dutch wants to know if previous experience helps toward Sigma Xi. It may, but not enough to notice.

We are pleased to announce that representatives of the Whatnot Company of America will be here shortly with some very attractive offers.

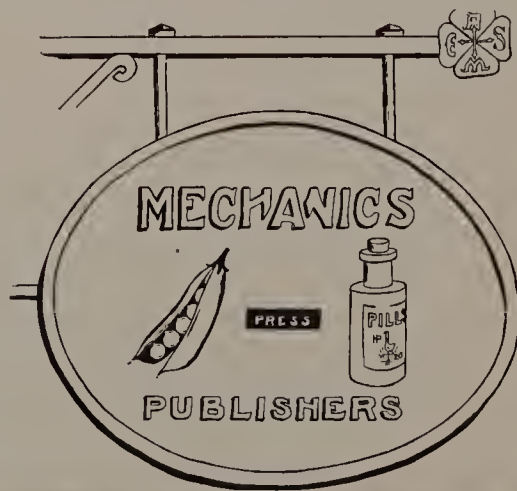
It is rumored that stiff shirts will be barred from next year's Prom as they prevent perfect contact.

Blodgett is requested to bring back the art gallery, as there has been much argument about facial expressions. It will also offer an excellent opportunity to study whatnots.

Lecture in the Rat Hole at recess by "C. S." Ingraham, alias "the Oracle," on "How I Grew This Face" or "Success with Rubber Teeth."

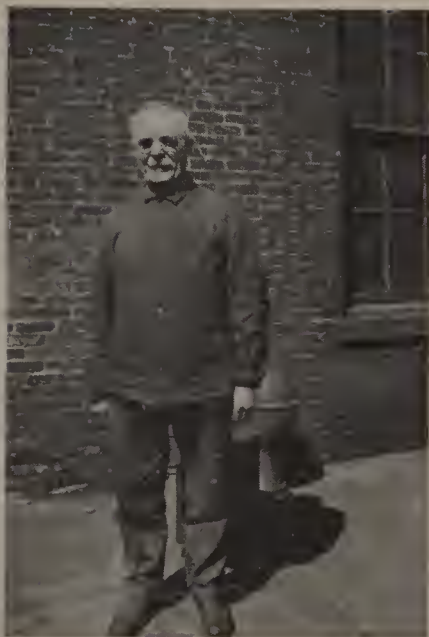
Wanted—to hire several spacious dump carts to haul off fertilizer shipped in by truck this A. M. by Bus Wightman.

A fund has been established by the P-Pill the income from which shall go to buy Piggy a haircut at least every six weeks.



NINETEEN HUNDRED TWENTY

AFTERMATH



In future days when looking back
Upon our course at school,
There'll come to us those worthy men
Who prove "The Golden Rule."

They are those men with human hearts,
With words and outstretched hand;
That serve to make a smoother path
And coat the ice with sand.

Honest men at honest work
With a purpose each day is spent;
Willing to give their best advice
And never charge a cent.

The first of all to gain this fame;
T'was back in '82—
Is known to all as "Johnny"
And no other name will do.

It was with him we quickly found
That forges must be fired.
As to attendance—well you know
That's all that was required.

"Pa" Fairfield too comes in our mind
With the manners that he taught;
And only God can help the man
Who out of step is caught.

His frequent talks in working hours
Helped while away the time,
With now and then the "Rat Hole"
"An hour for a dime."

Last to make our group complete,
And whom we justice pay,
We never call by any name
Except just Mr. Gray.

He taught us how to riddle sand,
False eopes received their share;
In short not much escaped his talks
That dealt with foundry care.

In closing let us leave to them
This everlasting thought;
"God grant you peace and happiness
And easy make your lot."

AFTERMATH

A SENIOR MECHANIC Experimenter.

Experiment No. 23

Class 1920

Division A

WORCESTER POLYTECHNIC INSTITUTE

Mechanical Engineering LABORATORY.

Subject of Experiment Test of a triple expansion automobile clutch.

Performed Conjointly with Some of the gang.

Date Feb. 31, 1920.

Handed in Yes.

Returned for Correction Of course.

Handed in Corrected That depends.

Grade



(Independence square)

Make Corrections only upon additional sheets.

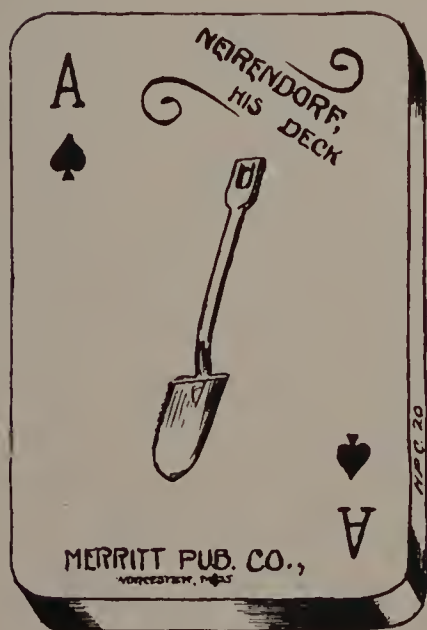
Make independent abscissa. Plot curves, — they are very messy. Include results and curves for load lowered. Use standard orthographic projection. Calculate wt of rider. Your results would be more satisfactory if you should plot apparent coef. of friction against pressure per sq. in. of projected area at various speeds. Normal force = 2 x spring load. Your values are therefore incorrect. Apply factor to results. Draw sketch of layout of apparatus. Don't you know what is required in this course? Your results for the efficiencies are wrong, but as you have not shown your calculations I cannot check your work.

This report corrected as required, must be returned on

AFTERMATH

GUESS WHO THIS IS

This article is dedicated to one whom (if we were good cartoonists) we would designate as the original member of the crab species. As we leave we will always remember this particular person by his perpetual grin or might we say sneer that is always present at one side of his mouth. We found him our first year and he became quite familiar to us for his tracks were ever present on our drawings, never in any one place, but usually all over it. The next year we again came across his imprints on the sands, and this time it was in a course which the catalogue called Elements of Steam Engineering, but which really was the foundation for a course in Wind Engineering. After finishing this course we were beginning to feel that the animal had left us, but it returned our third year like the proverbial "good-for-nothing," to pester us and make our lives miserable. The gas which we had first encountered our second year was beginning to turn black, showing a very bad mixture (you couldn't blame it). After enduring this agony and upon reaching the threshold of our fourth year we found the critter again set and awaiting our arrival. It was regretted with words which are not quite fit to print here, and the thing in turn greeted us with the most advanced principles of wind engineering. In order to obtain the requisite number of points in this course one would have to work about three years as an automobile mechanic and then try to guess the answers to the crazy question that were fired at us.



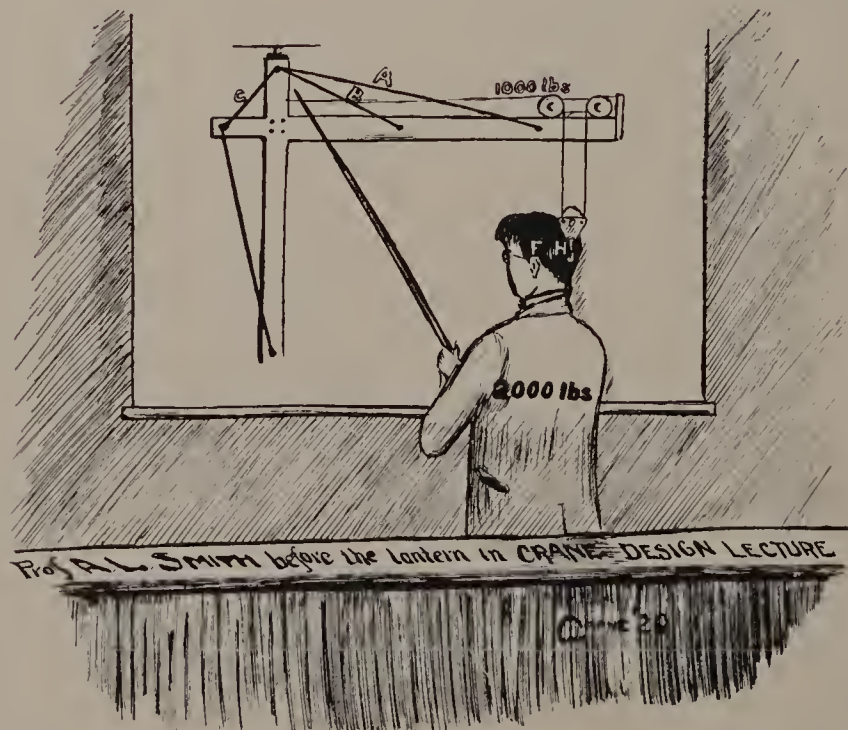
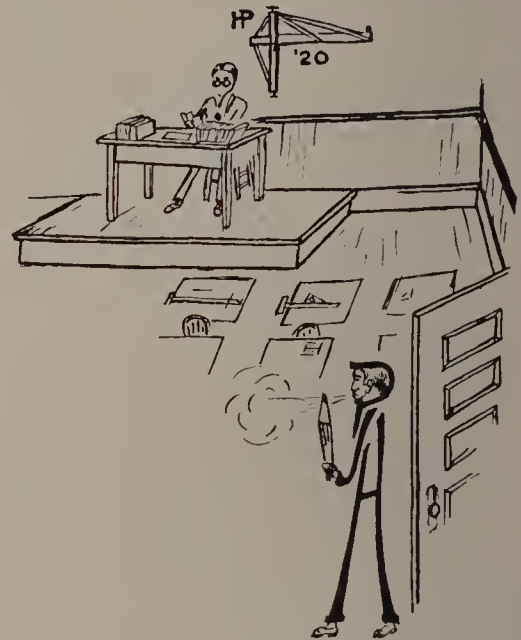
AFTERMATH



LEAKY HYDRAULIC HOLYOKE



*The Harriman Feather-weight
This is Engine.*



—NINETEEN HUNDRED TWENTY—

AFTERMATH

Worcester Polytechnic Institute

No. 3698

Apr 15 1924

Received from P. J. Harriman

a certificate indicating removal of condition in

M. E. 52

Ira N. Hollis

PRESIDENT. P

THIS RECEIPT SHOULD BE CAREFULLY PRESERVED.

MACHINE DESIGN SCHEDULE

- 8:00 A. M. "Ding" opens 302; Crane enters.
- 8:10 Mechanics climb The Hill.
- 8:15 Enter M. E. building.
- 8:16 Read notices on bulletins.
- 8:20 Rush into 302 breathlessly.
- 8:25 Get board and spread instruments around.
- 8:30 "Scoop" comes in blowing pencil.
- 8:35 Start to draw.
- 8:45 Edition of the P-Pill.
- 8:50 "F. T." joins us.
- 9:00 Exodus to lunch room starts.
- 9:15 Exodus complete, "bull-fest."
- 10:00 Return to 302.
- 10:10 Single of shop management problem starts to multiply.
- 10:15 Sporadic bombardment.
- 10:20 "Ding" leaves room, bombardment general.
- 10:25 "Ding" returns, industry reigus.
- 10:30 "Ding" inspects work, feverish application.
- 10:50 Chimes.
- 10:51 302 vacant.



THE CIVIL

The Civil is a man of worth—to meet him is a treat,
For give him any job on earth, and he'll do it quick and neat.
You wonder how he gets such skill and does his work with so much zest?
He simply sticks to work until—his preps are done and he can rest.

But do not think that he's a grind, for no man gets more fun from life;
He simply has that state of mind, that lets him like this very strife.
So here's to every '20 Civil, he's reached the goal at last,
He's ready any job to fill—the studies of Tech are passed.

AFTERMATH

"PA"

Professor "Pa" French
Sat down at his bench
To figure and figure away;
He pulled out his pipe,
He got him a light,
And puffed contentedly.

The air became blue,
His pencil it flew,
Work demons were plainly in sight.
"Pa" chuckled and laughed .
And grinned in his mirth;
He knew we'd be working all night!

Dark hours slipped by,
Black thoughts too and my
How we'd like to have got hold of that
man!

Oh, then came the sun
And we had our work done—?
Imagine that now if you can!

To school we then went,
By our wise fathers sent,
To condemn this inhuman man.
He leaned on his shelf,
Said, "Didn't finish myself,"
And we whispered a mighty "Damn."



But "Pa" now he's square,
And there's no prof so fair,
And none we like more'n "Pa";
He's a great man for work,
And he won't let us shirk,
When to become engineers we are.

AFTERMATH

INDOOR SPORTS

CIVIL 1920: "Professor French, I don't see why the stresses in these two members are not equal.

PA: "Why—er—um—(ten minute interval)—same damn mistake—don't know when you men are going to learn to recognize that thing."

CIVIL 1920: "Yes, sir."

NOT ONLY HELMER

Professor Allen to 1920 Civils, the day after an exam: "Some of you men did very poorly on this examination. I'll not mention any names, but say, Johnson, how did you ever get those answers?"

WHO WOULD HAVE THOUGHT SO?

FRESHMAN (*to Englund walking up the campus*): Some luck for us to get out of that exam in Hygiene today, eh?"

ENGLUND (*throwing out his chest*): "Say,—I am a Senior."

MORE BULL

REDDY: "My wife has sometimes told me that I should be a lawyer."

STUDENT: "Why?"

REDDY: "Because, she says, it is almost impossible to make me acknowledge that I am wrong."

OH, BUD!

PROF. ALLEN: "Are there any more old problems that we have not taken up in class yet?"

BUD MARSH: "Yes, that dam problem that we started last week."

PLACE: Boynton Hall, Room 17, Time: 9:05 A. M.

SCENE: Fourteen Seniors in seats, "Pa" just starting some recitation, or explanation. Enter "Fat" Sargent and Bill Hall, puffing violently. (Note: Puffing indicates that they have done their best to get in on time.)

"Pa" makes marks in his dope book. Then: "By George, I do believe that certain of you men will be late when Gabriel blows his horn."

Next morning at 8:45 A. M. "Fat" Sargent to bunch in drafting room: "Come on, men, I want to be there when Gabriel blows:"

INSIDE DOPE

REDDY (*to class, confidentially*): "You know, I caught Professor Allen on a question yesterday."

FAT: "Huh, not so hard."

AFTERMATH

BUD MARSH (*every other day in Hydraulics after the argument was settled and the smoke had cleared away*): "That may be so, but still I don't see just why my method is not correct."—(The war is on again.)

Senior Design Room, at 3:30 P. M.

"Fat" (in train crier's voice): "Twenty minutes more."

YOU TELL HIM

FIRST SENIOR: "Know any more good jokes?"

SECOND SENIOR: "Yes, one,—M. E. Lab. catalogued as 7 hours a week."

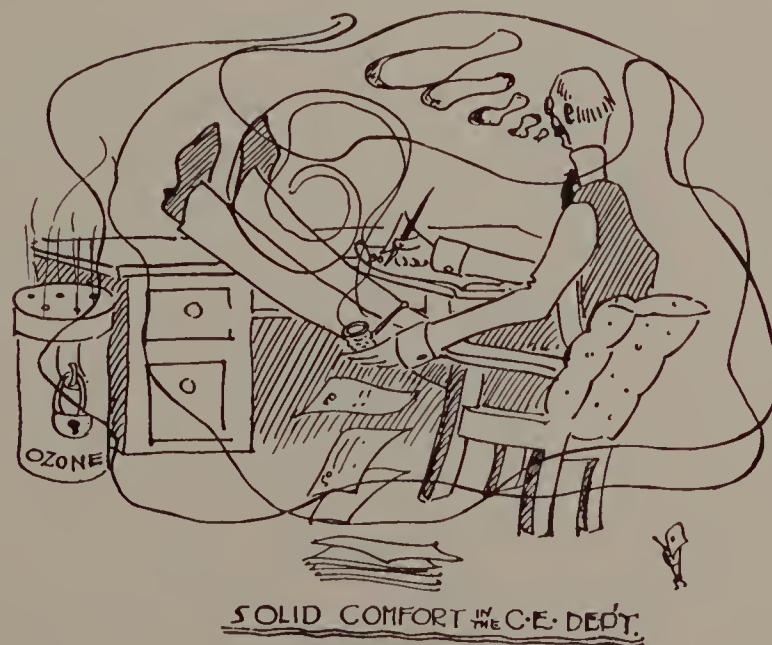
?

We wonder if "Fat" will ever get "Stu" ed on Bevo and "Lena" gainst a "Bill" board?

Or will Johnson ever leave this "Berg"? If he does, will he become a "Hunter" and go to some "Marsh" to "Hunt the Wyllie" game?

Also, will "Mal cohn" back from Peru to marry some "Parson's" daughter, or will he stay there to "Ernest" ly "Cope" with the big problems of South America and "Bud" forth as a great president?

Here's hoping that we may all enter the "Hall" of Fame and receive "Fat" salaries in the near future.



AFTERMATH

THE REDS

Sing a song of red-heads,
Sing a song of fame;
Arthur, Berg, and Wyllie,
Notorious of name.

Arthur is a clever man,
Berg a singer fine—?
Wyllie—oh, yes indeed,
In tennis he doth shine.

When old Tech's without them
She'll begin to cry
For a few more red-heads
To brighten up the sky.



FAMOUS SAYINGS OF FAMOUS MEN

“BOBBY” SWEETSER: “Well, wouldn’t want to say that it is always so, but the r’actions would indicate that it is usually so.”

“TOM” WYLLIE: “Dites done!”

“REDDY” IVES: “I will admit that sometimes when I get set down, I do hate to move to get anything; I like to do things that I can ponder over without doing much manual labor.”

“Underlying it all——.”

“It all comes down to this——.”

“Now we are getting on a subject that is somewhat irrelevant.”

“I wouldn’t put myself on record as saying——.”

“I will make a note of that and look it up for next time.”



AFTERMATH

"MAL" ARTHUR: "If there is no further business, the motion to adjourn is in order.

"JINNY" HAYNES: "As Artemus Ward puts it—'you scratch my back and I'll scratch your'n.'"

"You can't unscramble the omelet."

"There are certain men in this class for whom I have grave misgivings."

CHARLIE PARSONS: "Pardon me, Professor French, before you go any further, there is *one* little point in that last explanation that I do not quite grasp yet."

OUR WHITE HOPE

"Fat's" been prepping "Indeterminates"

All the dreary night;

"Fat's" been working on a problem.

Trying to get it right.

He's worked until he fell asleep

And woke quite late from slumber deep.

Can't you hear him puffing wildly,

Ever behind-hand in the morn,

Can't you hear "Pa" French announcin'

"Gabriel has blown his horn?"



HOLD IT!

AFTERMATH



—NINETEEN HUNDRED TWENTY—

AFTERMATH



Talk at Civil Engineering Society meeting. Subject, "Big Engineering Feat," C. Parsons.

"Did you hear about Tech's gift to the zoo at the lake?"

"What was that?"

"Only the Tech Seal."



—NINETEEN HUNDRED TWENTY—

AFTERMATH



CHEMISTS' DIVISION FAMILIAR SAYINGS

"Is that Pyrex, Mr. Thayer?"

"Isn't the one in the Organic Lab. working, Mr. Dyer?"

"My, what a heterogeneous collection of junk."

CHARACTERISTICS

PREXY. "I _____."

HUGHIE. "Gentlemen, I shall ask some very searching questions."

DUTCHY. "Don't think; when you think, you spoil it all."

DUFF. "Eh, what!"

BOBBY. "Er-r-r——."

DINNY. "I'm no prestidigitator on this subject."

CUTIE: "Go ahead boys, the boss has gone home."

PUNK. "'Scuse me, 'scuse me."

HERE AND THERE

Gas analysis.

BOBBY. (Calling the roll):

"Agar" "Here."

"Bauder" "Here."

"Is Mr. Boutelle here?" No answer.

ENGLISH

POP A—: "What was one of Pope's works?"

G—: "The rape of the lark."

POP: "I always supposed the lark was a pure bird."

HISTORY OF CHEM.

FRITZ: "Is Chaucer's 'Pilgrim's Progress' the right answer to that last question?"

AFTERMATH

SANITATION

SAM: "Stop talking and listen to the lecture."

EFFIE: "Why?"

SAM: "I want to go to sleep."

QUALITATIVE

HUGHIE: "Some of you men think this course is like Cascarets; something that will work while you sleep."

SCEPTICAL CHYMISTS

One joke Hughie didn't see: Hale's idea of a wonderful electrical machine generating 6 volts and several thousand ohms.

"Say, the M. E. Department is certainly getting efficient!"

"Why, how's that?"

"Doc Ingraham is going to use his mouth for a carburetor and B. A.'s going to use his right foot for a chronometer."



"Not even Solomon in all his glory was arrayed as one of these."

Lives of great men all remind us
We should strive to do our best
And, departing, leave behind us
Lab reports to help the rest.

The professor was showing a friend around his chemical laboratory.

"What has become of Jim Fillbottle?" the friend asked. "Wasn't he studying with the class last year?"

"Oh, yes," replied the prof. "Fillbottle, poor fellow. A fine student, but absent-minded in use of chemicals, very. That slight discoloration on the ceiling—notice it?"

"Yes."

"That's Fillbottle."

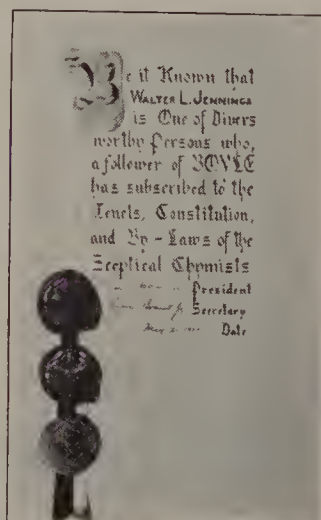
AFTERMATH

THESIS CONFERENCE

FRITZ: "Dr. Calhane and I, we friggered it all out."

SHE—"Why do so many Tech men sit in the front row at Poli's?"

HE—"Oh, it's just a matter of form."



The Devil sends the wicked wind
To blow the skirts knee high,
But Heaven is just,
And sends the dust,
To close the bad man's eye.

WE WONDER:

Why Dr. Jennings takes off his hat when he talks to Thayer?

How it comes about that when "Fat" and "Effie" copied Thayer's answers in History of Chem quiz, they got 9's while Sam got only 8?

How Prexy keeps his toddy blossom?

What Dutchy meant when he said he could take the place of two and a half men but not of four.

What Trott chews in Lab?

Why Jinny wore a green necktie on the 17th of March?

THINGS WE WOULD LIKE TO SEE:

Bobby in a stove pipe hat.

Piggy in a bathing suit; Pa French without one.

Prexy without a red necktie.

Hughie smoking.

Jinny in kilts.

Hiram and Einar in the stock room at the same time.

A full attendance in Quantitative.

The present Sophomore Chem division when he graduates.

Tenney when he didn't know some answer.

An accident in Organic Lab without "The Department's" knowledge.

AFTERMATH

UNSUNG HEROES

The man who walked out of one of Duff's Physics recitations after being told that no credit could be given a tardy man.

Sister Lawton asking Dinny if K. W. stands for kilowatts.

The man Hughie caught smoking in Lab.



AFTERMATH



AN AFTERNOON AT THESIS

Salisbury, 4th Floor

Curtain rises at 1:30, disclosing an empty stage.

Act. I. Scene 1. Organic Lab. 2:05. Loud crash from the Crown Prince's room. Sam Thayer's bomb prematurely exploded. Gang begins to arrive; Scene 2. 2:15. Wrestling match, Si Agar throws Freddie Butler out of the Lab. nearly knocking down two instructors; Scene 3. 3:00. Picnic lunch from refreshments ordered for Sceptical Chymists. Lawrence and Smith, hosts. Ends in marine engagement with loss of five wash bottles.

Act II. Scene 1. Quantitative Lab. 3:30. Effie loses 59 cents at three shell game, presided over by Agar; Scene 2. 3:40. Butler quarrels with Agar over proceeds of Scene 1. Dyer skins Boutelle out of 7 cents matching pennies.

Act. III. Scene 1. Theoret Lab. 4:00. Enter Sister in great haste followed by quantities of broken glass. Voice from the corridor (Sears)—! ! ? * * !

Act. IV. Scene 1. Industrial Lab. 4:05. Exit Dinny with umbrella up, several streams of water directed toward the door. Boutelle and Bauder rolling dice in opposite corner. Charlie Gammal discoursing on those analine. Voice "What are all you guys scrabbling for?" 4:07 stage empty. Anvil chorus from basement.

Curtain.

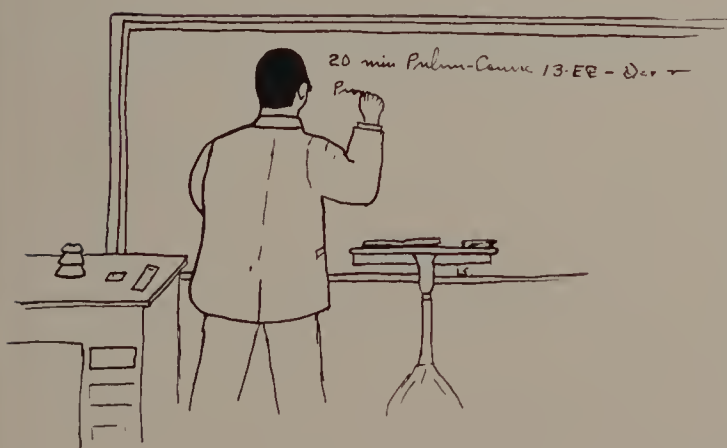
—NINETEEN HUNDRED TWENTY—

AFTERMATH



ELECTRICS' DIVISION

DEEP DOPE FROM THE DOPEY DEEP



N. G.

Why not use your head?

Worthless!

Classy presentation of facts and figures.

Why did you lose your nerve?

Miserable!!

I don't get you!

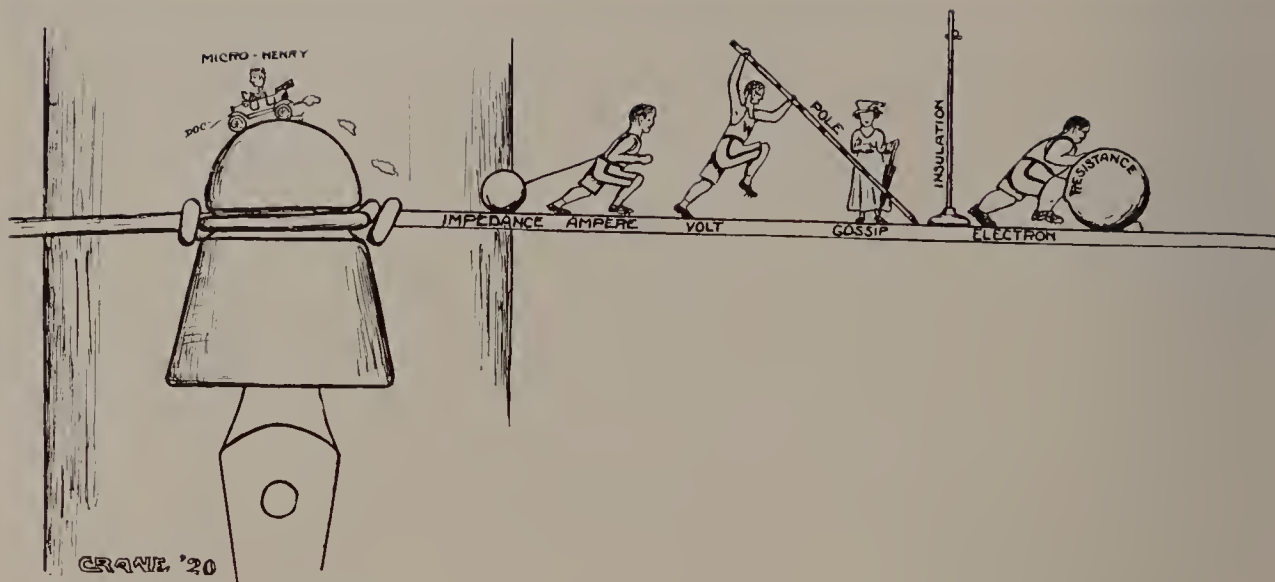
Think!!!

Absolutely worthless!!

N. A. Try again.

Accepted!!!!!!

AFTERMATH



Place: E. E. Library.

Time: Monday or Thursday afternoon (*when we're supposed to be doing transmission.*)

Characters: Division D.

1:15: "Say, who's got the dope on that Gas Engine experiment? Read it off, won't you?"

"Don't bother me; can't you see I'm busy with this E. E. report?"

"Who's done the A. C. problem? What did you get?"

1:50. Bell rings.

"All together," "Hurrah! one hour gone!"

"Come here, Harry. Did you see this joke? Listen—etc., etc."

"Where are you going after graduation, Pete? Say, what did the A. T. & T. man have to offer?"

"Going down to H. B.'s next Friday? It's going to be good. Hey, Quimby, where do they bury their dead in Venice?" All laugh.

2:50. Bell rings.

All together, "Thank Heaven, only one hour more!"

"Oh, boy! look what's going up the street!"

"Gee, I know her. Don't you remember, Red, etc., etc."

"Who's done the Transmission problem?"

Bryant: "I have."

"How long does it take?"

"Oh, about an hour."

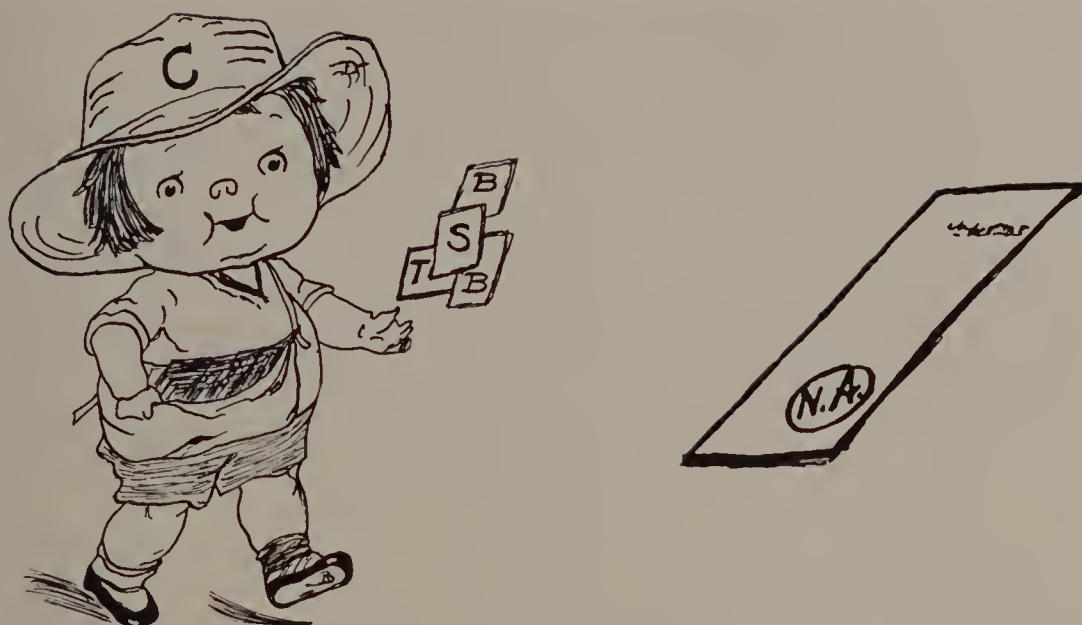
"When are you going to hand it in?"

"End of next hour, I guess."

3:50. Bell rings.

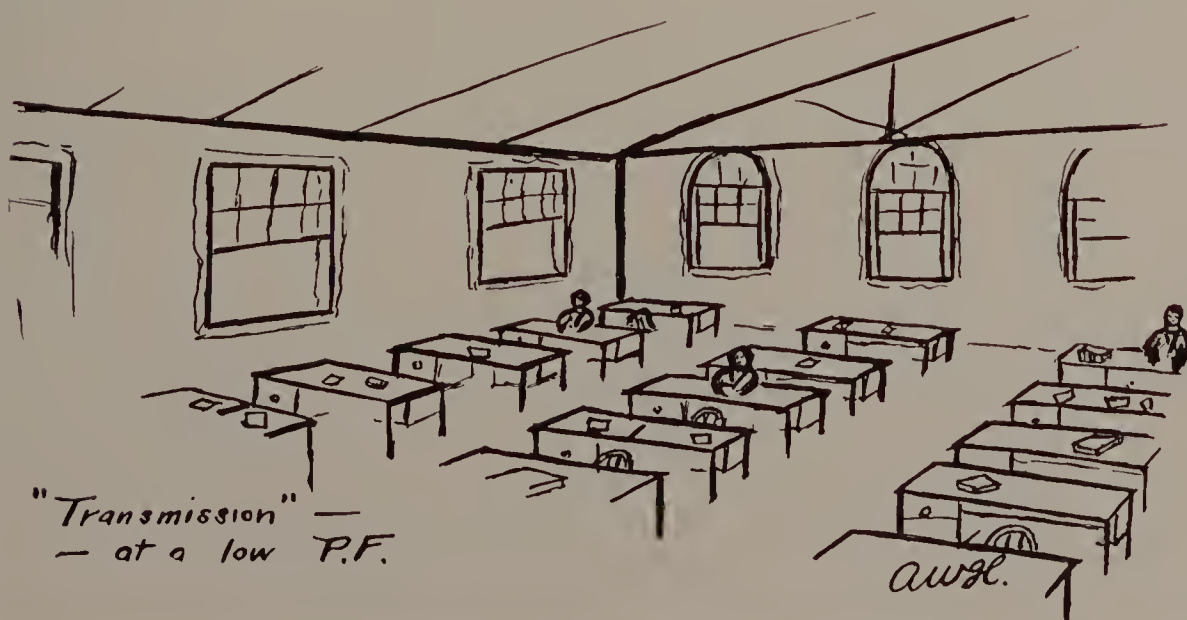
"Hell, let's go home."

AFTERMATH



1. The E. E. is my course, it ranks second to no other;
2. It maketh me to take A. C., and leadeth me into hot waters;
3. It restoreth my rep., but leadeth me to the paths of the M. E. department for their own sake.
4. Yea, though I work till the early hours of the morning on Hydraulics, it will do no good, for it stays not with me. My Pender and my slide rule, they comfort me.
5. Thou preparest a card for me in the presence of mine enemies, they annoint it with E's and my anger runneth over.
6. Surely to goodness if I had any more M. E. reports I would dwell in the bughouse forever.

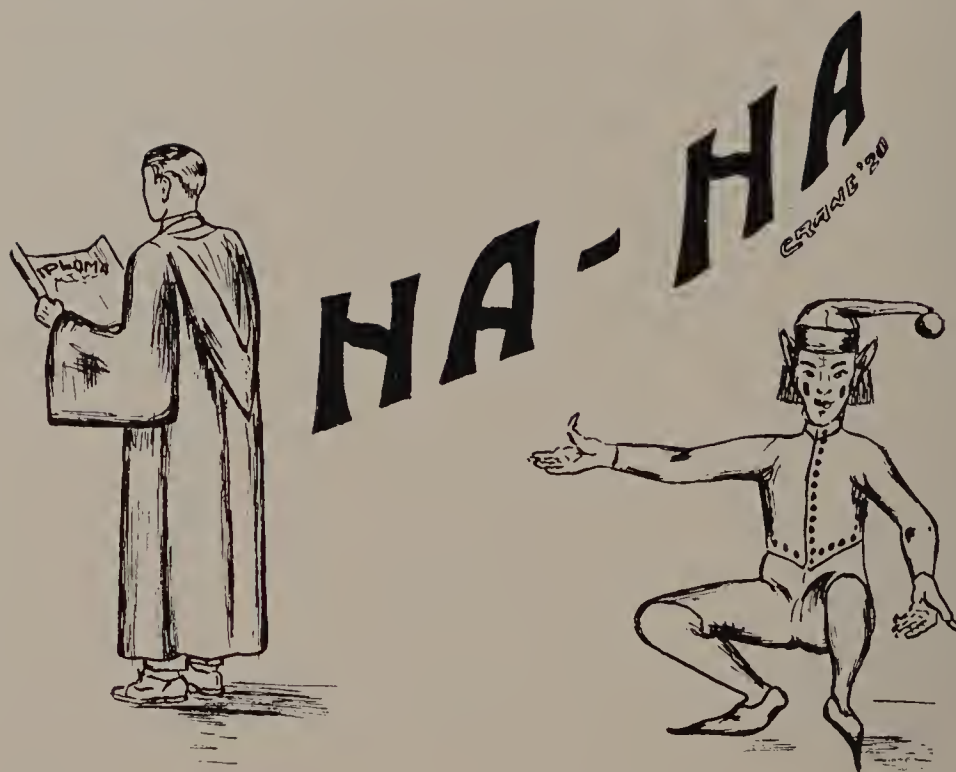
E. P.



"Transmission" —
— at a low P.F.

awsl.

AFTERMATH



DOC. PIERCE—(after springing a joke that did not get across very well). "I am going to install a checking system in my note book to keep track of my stale jokes."

PICGY. "How would you take up the shaking in an engine?"

QUIMBY. (thinking of Masonry) "Put it on piles."

PICGY. "If you had shaking palsy, would you go around on stilts?"

RIP. "It costs about eight dollars a minute to talk from Boston to San Francisco."

HENCHMAN. "Hm, I wouldn't want to talk to a girl out there."

THE COST OF HIGH LIVING

The Commencement Week expenses had just been announced in the class meeting, and Tenney was heard to remark: "Say, it's a darn good thing that we don't have to graduate every year."

WHAT WE LEARN IN—

Hydraulics—"The water which hits the vane is the water which hits the vane"

A. C.—"All theorists are dam fools."

Physics—"Gentlemen, you know absolutely nothing at all."

Dynamics—"You can feed a horse 'Force' but you don't get Horse Power."

Thermo.—What makes Thermo hard, and things like that.

Math.—The difference between nothing and zero.

Pattern Shop—What happens when you try to run a nail through the band saw.

AFTERMATH

WHO'S WHO IN DIVISION D

Most Popular.....	Canfield
Most Brilliant.....	Marks
Best Bluffer.....	Abbott
Best Natured.....	Henchman
Best Athlete.....	Canfield
Handsomest	Grimwade
Most Versatile.....	Firth
Most Practical.....	Anderson
Most Sarcastic.....	Bryant
Wittiest	Parker
Noisiest	Quimby
Nerviest	Amsden

SENIOR ELECTRIC: "Can I get the power factor in the Washburn Shops?"

PIGGY: "On which line, the A. C. or the D. C.?"

HEARD IN BOYNTON HALL

PROF: "I am dismissing you early today. Go out quietly so as not to wake the rest of the classes."

DOC. INGRAHAM: "Are you fellows plotting that data as you go along?"

WEARY ELECTRICS AT CHAFFINS: "Hell, no! We're trying to get it."

WHY I AM NOT A MECHANIC

"If one can can walk one mile per hour, how fast can two walk?"

BURT (*straightening the current meter rod at Chaffins, after an accident*):
"We've got to have some more weight on there, Doc."

DOC. (*standing on the rod*): "That's all the weight I've got."

FAMOUS EXPRESSIONS

Rip—"Er, yes,—er, that will do, I guess."

Doc—"Well, what the H——(heck)! I guess I am talking through my hat."

Pete—"Ding-bust it, it don't come out that way."

Roger—"Of course it is, what else could it be?"

Tenney—"Screwed again, b'gosh."

Burt—"These M. E. Lab reports get my goat."

All—"Say, Firth, where are those Tech News?"

AFTERMATH

OWED TO DOC.

There was an instructor named Doc,
Who was the object of many a knock.
His subject was "Gas,"
His specialty, sass,
Oh, what a man was this Doc.

To Chaffins with Electrics he goes,
What a fate awaits him, who knows?
He stands on the brink—
Falls into the drink,
Oh, see the Electrics in throes.

But alas, the best plans fall through.
This fate—poor Doc never knew,
With many regrets,
Unpaid are our debts,
Twenty-one it is now up to you.



*Outdoor Sports
at Chaffins*

'T WAS EVER SO
In a test on a gasoline motor
Doc was an ardent promoter
Of wonderful schemes
Evolved from his dreams
To keep us at work till we broke 'er.

AFTERMATH

QUIMBY: "This is an ordinary ammeter and is calibrated in Kilo Watts."

DOC. (*describing a carburetor*): "That is the needle valve, and right here, this is hot air."

THE MORNING AFTER

DOC. MORLEY: "I don't mind your sleeping in class, but I do wish that you wouldn't disturb the rest of the class with your snores."



NINETEEN HUNDRED TWENTY

AFTERMATH



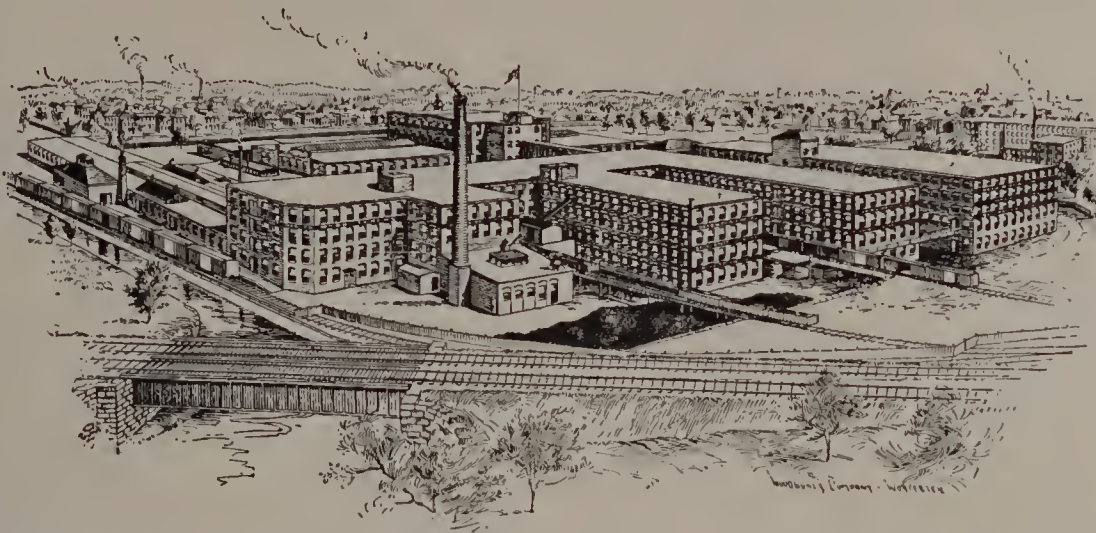
—NINETEEN HUNDRED TWENTY—



Index of Advertisers

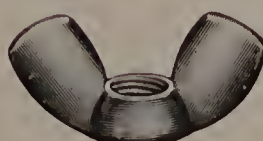
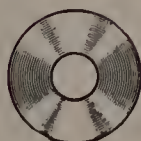
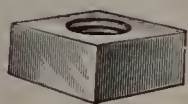


	Page		Page
Elwood Adams	11	Powell Machine Co.	20
Baldwin Chain & Mfg. Co.	5	F. E. Powers Coal Co.	6
Brooks Bros.	5	Rockwood Sprinkler Co.	7
Bushong's Studio	16	Reed & Prince Mfg. Co.	3
Central Building Co.	28	Reed Small Tool Works	11
Claflin-Sumner Coal Co.	18	Skelley Print	11
G. H. Clark & Co.	12	Southgate and Southgate	10
Coates Clipper Mfg. Co.	8	L. S. Starrett Co.	15
Coburn Trolley Track Mfg. Co.	30	Stewart Boiler Works	18
Cotrell and Leonard	5	Wadsworth-Howland Co.	23
Crompton & Knowles Loom W'ks.	4	Walden-Worcester Inc.	25
J. Harvey Curtiss	20	O. S. Walker Co.	28
Davis Press	14	Warren Hotel Co.	5
Thos. D. Gard Co.	25	Wesby's Bindery	14
General Electric Co.	19	Wickwire-Spencer Steel Corp.	26
The Graton & Knight M'fg. Co.	29	Worcester Trust Co.	23
Heald Machine Co.	12	Worcester Wind Motors Co.	24
Heffernan Press.	32	L. J. Zahonyi & Co.	6
Holyoke Machine Co.	10		
Jahn & Ollier	31	Business Cards	
Jones & Lamson Mach. Co.	22	J. W. Bishop Co.	17
Kenney- Kennedy Co.	8	E. H. Clement & Co.	17
Leland-Gifford Co.	14	Eastern Bridge & Structural Co.	17
Manuf. Equip. and Eng. Co.	27	Louis H. Harriman	17
Morgan Construction Co.	21	S. H. Pitcher Co.	17
Norton Company	13	Jas. Smith & Son	17
Chas. J. O'Connor	8	J. F. Vaughn, Engrs.	17
Park Trust Co.	24	Fiske Carter Construction Co.	17



REED & PRINCE MFG. CO.

WORCESTER, MASSACHUSETTS, U. S. A.



WORCESTER, MASS.

The Home of our Alma-Mater

AND

THE HOME OF THE

Crompton & Knowles Loom Works

THE MOST EXTENSIVE BUILDERS
IN THE WORLD

OF *LOOMS* EXCLUSIVELY

PROVIDENCE, R. I.

PHILADELPHIA, PA.

PATERSON, N. J.

Southern Representatives: Alexander & Gursed, Charlotte, N. C.

South American Rep.: International Machy. Co., Rio de Janeiro, Buenos Aires

Indian Rep.: International Machy. Co., Ltd., Calcutta, Ind.

European Rep.: Am. Textile Machy. Corp., Paris, France

ESTABLISHED 1818

Brooks Brothers,
CLOTHING,
Gentlemen's Furnishing Goods,

MADISON AVENUE COR. FORTY-FOURTH STREET
NEW YORK

BOSTON

LITTLE BUILDING: TREMONT COR. BOYLSTON

Telephone Beach 4743

FOR BOYS AT SCHOOL IN TOWN OR COUNTRY

Norfolks, Chesters and Knickerbockers
Sack Suits, Riding Suits and Odd Breeches
Eton Suits, Dinner Jackets
Clothing in Tweeds, Corduroy, Serges, Crash, etc.
Covert Coats, Westburys, Raglans, Chesterfields
Duck and Flannel Trousers
Furnishings, Hats, Caps, Shoes, Hosiery
Underwear, Gloves
Umbrellas, Trunks, Bags, Dressing Cases, Fitted
or Unfitted

Send for Illustrated Catalogue



THE LITTLE BUILDING

COMPLIMENTS OF

Hotel Warren

THE PLACE TO HOLD YOUR
BANQUETS

R. M. DASCHNER, Mgr.

201 FRONT ST., WORCESTER

Cottrell & Leonard

ALBANY, N. Y.

MANUFACTURERS AND RENTERS

OF

Caps = Gowns = Hoods

*To Worcester Polytechnic Institute and
other Institutions the Country over*

COMPLIMENTS OF

F. E. POWERS CO.

“Live Coal Dealers”

13 FEDERAL ST.

WORCESTER, MASS.

THE HALF TRUTH

Silk Sox—“Did Angeline tell you the truth when you asked if she wore half-hose?”

Knit Tie—“Yes.”

Silk Sox—“What did she say?”—

Knit Tie—“None of my business.”

—*Iowa Frivol.*

◆ ◆ ◆

Philosopher—“A kiss is the language of love.

Co-ed—“Well, why don’t you say something?”

—*Gargoyle.*

L. J. Zahonyi & Co.

Caterers

Ice Cream - French Pastry

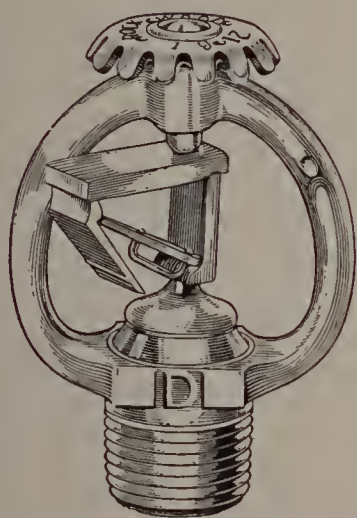
662 Main Street

WORCESTER : MASS.

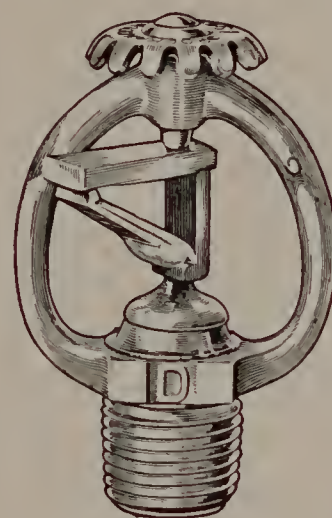
Rockwood Sprinkler Company

OF MASSACHUSETTS

Contractors, Engineers and Manufacturers



AUTOMATIC SPRINKLER SYSTEMS



Showing how the two parts of the soldered strut spring apart only after the lump of solder is melted away from the loop

Showing Sprinkler with the two halves of the strut soldered together

The Rockwood Sprinkler is unique in that the two parts of the soldered links are held together, not merely by a sweated soldered point, but by covering the end of the lever with a small piece of solder which is mechanically bound to the strut by a loop of wire riveted through one part of the link.

The Rockwood Sprinkler is the only approved head that is incapable of opening itself by breaking of the soldered joint, which must absolutely melt to open. It is thus in a class by itself, superior to all others.

Also manufacturers of Rockwood Pressed Steel Union having two ground bronze seats, sherardized, each union tested and guaranteed.

Rockwood Sprinkler Co.

OF MASSACHUSETTS

38 HARLOW STREET

WORCESTER, MASS.

NEW YORK: 123 Williams St.

CHICAGO: 134 South LaSalle St.

BOSTON: 141 Milk St.

BUFFALO: 444 Prudential Bldg.

COATES ELECTRIC FLEXISHAFT BABY GRINDING OUTFITS

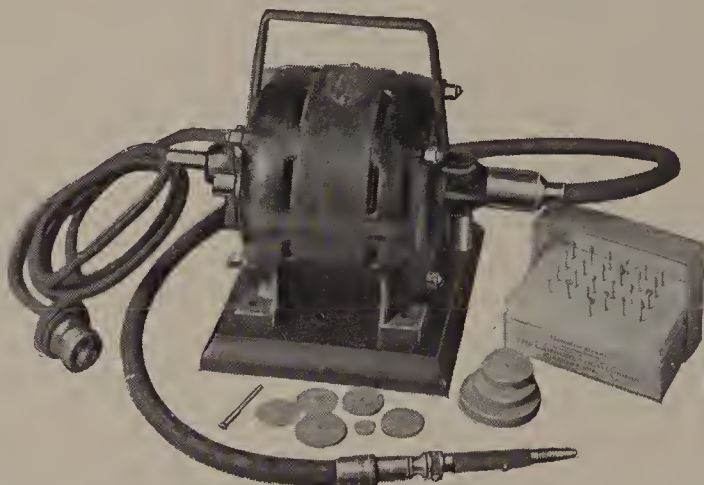
Light Weight

Ready for
Service

Powerful

Quickly
Attached
to
Light Socket

Uses Wheels
 $\frac{1}{2}$ in. to 4 in. dia.



IN
TWO
SIZES

$\frac{1}{8}$ h. p. Motor
Junior

$\frac{1}{4}$ h. p. Motor
Senior

FOR LIGHT DIE SINKING, JEWELLERS, TOOL ROOMS, FACTORIES

COATES CLIPPER MFG. CO.

WORCESTER, MASS., U. S. A.

MAKES ANY FACTORY MORE SATISFACTORY

Headquarters for Tech Men



Worcester's Largest, Livest



Leading Men's Store



Kenney-Kennedy Co.

401-405 MAIN STREET

SEE

Charles J. O'Connor

Ten years coach of W. P. I. track team,
about

LIFE INSURANCE, OR GOVERN-
MENT INSURANCE



State Mutual Life
Assurance Company

ROOM 306 STATE MUTUAL BLDG.

Telephone: Park 3900

Genuine
Baldwin Chains and Sprockets



— FOR —

ALL STANDARD

Motor Trucks



AND

Motor Tractors

ALSO FOR INDUSTRIAL DRIVES

CORRESPONDENCE SOLICITED

Baldwin Chain and Mfg. Co.

WORCESTER, MASS.

HOLYOKE MACHINE CO., Worcester, Mass.

Manufacturers of HERCULES TURBINE WATER WHEELS.
IMPROVED GOVERNORS and power-transmitting machinery, turned steel shafting,
couplings, hangers, pulleys, friction pulleys and couplings, rope sheaves, etc.



Southgate & Southgate Attorneys at Law

COUNSEL IN PATENT CAUSES

Louis W. Southgate, '85 Albert E. Fay, '95
Charles T. Hawley, '98

GRAPHIC ARTS BUILDING
25 FOSTER STREET
WORCESTER, - MASS.

New York, N. Y., Office
O. E. Edwards, Jr.
Woolworth Building 233 Broadway
Tel. 7286-7-8 Barclay

Washington, D. C., Office
Charles D. Davis
McGill Building, 908 G. Street, N. W.

QUITE TRUE

"Hi, gimme a handful of waste!" I
howled.

(I was under the auto to grease it.)

But Jim had an armful of waist in the
car,

And wasn't disposed to release it.

—*Punch Bowl.*

◆ ◆ ◆

Tess—"Jack says my lips are the pret-
tiest he has ever seen."

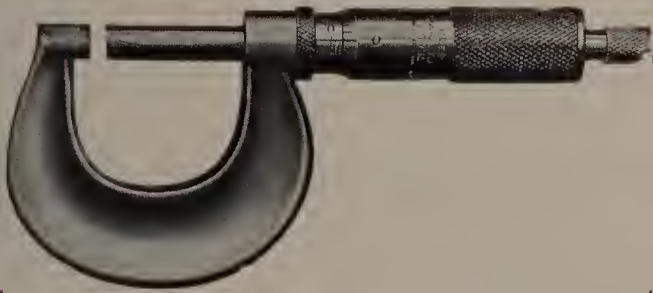
Bill—"Indeed? Well, I'll put mine
up against them any time."

—*California Pelican.*

REED SMALL TOOL WORKS

WORCESTER, MASS., U. S. A.

*AN ORGANIZATION OF
MICROMETER MANUFACTURERS
ORIGINATED AND CONTROLLED
BY TECH GRADUATES*



E. HOWARD REED, '02
President

DONALD D. SIMONDS, '08
Sec'y & Mgr.

OH?

He said to her over the telephone,
After his weekly visit:
“Dearest, will you marry me?”
“Why yes,” she said, “Who is it?”

—*Princeton Tiger.*

◆ ◆ ◆

Mabel placed the sweet-scented flower
in his buttonhole,—but—

Dorothy (wise girl) placed the sweet
scented flour on his shoulder.

Established 1821

Elwood Adams, Inc.

DEALERS IN

HARDWARE, CARPENTERS' AND
MACHINISTS' TOOLS
BUILDING MATERIALS, TABLE
LAMPS, STUDY AND
READING LAMPS

LIGHTING FIXTURES
AND
FIREPLACE FURNISHINGS

154-156 MAIN STREET
WORCESTER, MASS.



GRAPHIC ARTS BUILDING

WORCESTER, MASSACHUSETTS

Tech Students and Graduates

with friends are always welcome to visit
our plant in Greendale



The Heald Machine Company

BUILDERS OF

Internal, Surface and Cylinder Grinding Machines
Magnetic Chucks

George H. Clark & Company

WHOLESALE AND RETAIL DEALERS

— IN —

PAINTS, OILS, VARNISHES, GLASS
GLUE, AND MANUFACTURERS'
SUPPLIES



6-10 NORWICH ST., WORCESTER, MASS.

TRIOLET OR REGRET

Her lips were so near—
And I hadn't the nerve,
'Twas the chance of a year,
(Her lips were so near.)
She was angry, I fear,
And her scorn I deserve,
Her lips were so near—
And I hadn't the nerve.

—*Princeton Tiger.*

Norton Products

Alundum Grinding Wheels, Crystolon Grinding Wheels, Alundum Grain for Polishing, Glass Cutting Wheels, Razor Hones, Scythe Stones, Alundum Refractories, Alundum Safety Tile, Rubbing Bricks and Stones, Grinding Wheel Dressers, Precision Grinding Machines, Bench and Floor Stands.

The grinding wheel user should always remember that there is one suitable wheel, one combination of abrasive, grain and grade, for each particular operation, whether it be round grinding, surface grinding, tool grinding, internal grinding, for machinery, manganese or high speed steel, cast iron, chilled iron, bronze, brass, or aluminum. He should also remember that the wheel must be selected to meet all the conditions that affect the operation, such as the condition of the machine, feed, contact, and method of grinding.

Alundum Wheels and Crystolon Wheels are distinct in composition and have therefore different cutting qualities.

Alundum Grinding Wheels should be used for all Steel grinding, except in those few cases where the conditions are out of the ordinary. Since 75% of the pig iron production of the world goes into steel, this means that Alundum Wheels should perform by far the larger proportion of grinding operations.

Crystolon Wheels, on the other hand, should be used on cast iron, which is lower than steel in tensile strength. Crystolon Wheels are hard and sharp, and the grain is of such a character as to break away at the right time, giving a wheel that cuts fast and free.

The Norton Company, Engineers and Demonstrators, come in contact daily with different grinding operations, and learn the successes and failures of wheels of certain grains and grades. Such experience is always beneficial to the buyer and the benefit of it is free to every inquirer.

NORTON COMPANY

WORCESTER, MASS.

Electric Furnace Plants: Niagara Falls, N. Y.; Chippawa, Ont., Can.

Bauxite Plant, Bauxite, Ark.



The Davis Press

INCORPORATED



Good Printing



WORCESTER
MASSACHUSETTS
GRAPHIC ARTS BUILDING

Wesby's Bindery



Good
Bookbinding
Since 1845



GRAPHIC ARTS BUILDING
25 FOSTER STREET
WORCESTER : MASS.



WHEREVER men work metal to the finer limits of precision, machinists know and favor Starrett Tools. Their reputation for accuracy, utility and quality has grown through forty years of service in the interests of better, truer work. Write for Catalog No. 21, "GH."

THE L. S. STARRETT COMPANY

The World's Greatest Tool Makers

Athol, Massachusetts

Manufacturers of Hack Saws Unexcelled.

Starrett Tools



42-23



STUDIO
311 MAIN ST.

E. H. Clement & Co.

Contractors



CHARLOTTE, NORTH CAROLINA

John F. Vaughan Engineers

185 Devonshire Street

BOSTON, MASS.

POWER AND INDUSTRIAL ENGINEERING
INVESTIGATION DESIGN SUPERVISION
INDUSTRIALS WATER POWER
PUBLIC UTILITIES
ORGANIZATION OPERATING ADVICE

Fiske-Carter Construction Co.

Builders

WORCESTER, MASSACHUSETTS

Southern Offices:
Greenville, S. C.
Spartansburg, S. C.

Louis H. Harriman '89

Former Examiner U. S. Patent Office

PATENTS, PATENT CAUSES, AND
TRADE MARKS

1120 Scollay Building
Telephone: Fort Hill 1722

40 Court Street
BOSTON, MASS.

Eastern Bridge & Structural Co.

OFFICE AND WORKS, CRESCENT ST.

WORCESTER, MASS., U. S. A.

Structural Steel

Municipal Engineering
Hydraulic Engineers
Surveys and Estimates

Architects
Mill Engineers
Reinforced Concrete

Samuel H. Pitcher Co.

Incorporated

Civil Engineers and Architects

44 Front Street

WORCESTER, MASSACHUSETTS

J. W. Bishop Co.

Contractors

Established 1874

NEW YORK
BOSTON

PROVIDENCE
WORCESTER

James Smith & Son

TEXTILE MACHINERY

982 SOUTHBRIDGE ST.,

WORCESTER, MASS.

Stewart Boiler Works

Manufacturers of

Steel Boilers

STEEL TANKS FOR ALL PURPOSES

WATER AND SMOKE PIPES

FEED WATER HEATERS

HEAVY PLATE IRON WORK OF EVERY DESCRIPTION

OFFICES AND WORKS ON ALBANY STREET

One-half Mile East of Union Station

WORCESTER, MASSACHUSETTS

ORDER



Lackawanna
Coal

"THE BEST BY TEST"

Phone: Park 2100, or Stop at

The Number is **9** Pleasant St.

Claflin-Sumner Coal Co.

THE QUARREL

We were wretched, we had quarreled,
Jane and I, best pals for years.
Life to me was shattered, broken;
Jane seemed on the verge of tears.

"Monster! You shall go this instant!
With tonight acquaintance ends!
I shall hate you always, ALWAYS,
We can never more be friends!"

Nervous, fear, on the sofa
There I sat, nor did I stir.
"Can't you hear me?" Jane was crying,
"I despise you, loathe you, sir!"

Then I answered, voice a-quiver,
"You've no mercy on a chap.
But if I must truly leave you,
Jane, dear, please, get off my lap!"

—*Washington Sun Dodger.*

1921



Entering the World Electrical



THE graduate of today enters a world electrical.

Gathered from the distant waterfalls or generated by the steam turbine, electric power is transmitted to the busiest city or the smallest country place.

Through the co-ordination of inventive genius with engineering and manufacturing resources, the General Electric Company has fostered and developed to a high state of perfection these and numerous other applications.

And so electricity, scarcely older than the graduate of today, appears in a practical, well developed service on every hand.

Recognize its power, study its applications to your life's work, and utilize it to the utmost for the benefit of all mankind.

Arc Welding

General Electric Company

General Office
Schenectady, N.Y.

Sales Offices in
all large cities

95-2451

POWELL PLANERS

"Hy-Speed-Cut"

are the result of close application to planer design and construction. They are the speediest producers in this class of tool. If you think you can stand a 30 to 50 per cent increase in output, you'd better ask about them.

The tool on a Powell enters the cut at normal speed. The speed is immediately increased and held at "high" until near the end of cut, when it is retarded before reverse and quick return. The folders are interesting and your name and address will bring them.

POWELL MACHINE CO

243 STAFFORD STREET, WORCESTER, MASS.

THERE IS CHAPERONES, AND—

"Must I have a chaperone at the glee club concert?"

"Yes."

"But it's a regular cold-cream treatment."

"What do you mean by that?"

"It keeps the chaps away!"

—*Columbia Jester.*

◆ ◆ ◆

Marma—That girl is awfully fast.

Duke—Do you think so?

Marma—Yes, she covered five laps last night.

—*Cornell Widow.*

J. Harvey Curtis

GENERAL AGENT

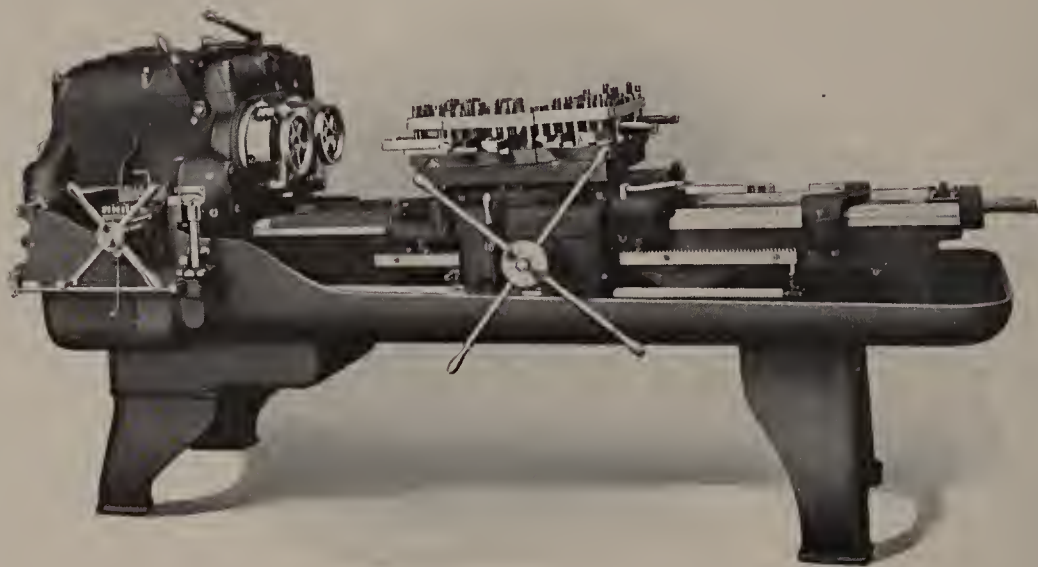
Insurance and Surety Bonds

712-704-707 Slater Bldg.

WORCESTER, MASSACHUSETTS

Telephone: Park 116-117





Why Not Two Instead of One?

If you make your drive strong enough why not drive two spindles instead of one?

If you make your turret stiff enough, why not put on two sets of tools instead of one?

If the operator has to stop the machine to put in one piece, why not have him put in two instead?

If you have any desire to practically double your output per machine, per man and per dollar invested, why not get a Double Spindle Flat Turret Lathe for your chucking work?

Jones & Lamson Machine Co.

SPRINGFIELD, VERMONT, U. S. A.

ESTABLISHED 1869


OVER FIFTY YEARS SERVICE

TO THE PEOPLE OF WORCESTER

BY THE

Worcester Bank and Trust Co.

WE SOLICIT YOUR ACCOUNT

Resources over \$33,000,000 

MEMBER OF FEDERAL RESERVE SYSTEM

THE BOTH OF US

<i>We</i>	<i>They</i>
Smoke.....	Powder their noses
Cuss	Scream
Snake	Come-out
Used to drink	Did, too!!

<i>And We</i>	<i>While They</i>
Cut dates	Are late for dates
Overdraw bank accounts..	Profit thereby
Hate a stiff shirt..	Love an evening gown
Borrow clothes	Do, too!!

<i>Yes We</i>	<i>Sure They</i>
Bullfight	Cat fight
Shoot craps	Play parchesi (?)
Sleep in classes...	Stay away altogether
Flunk exams.....	Flunk 'em, too!!

<i>And Yet</i>	<i>But Still</i>
They love us	We love them
just the same .	just the same

—Yale Record.

Wadsworth, Howland & Co., Inc.

“The Paint Stor2”



DRAFTSMEN'S
SUPPLIES

555 Main St. - Worcester

Save Money

4½% INTEREST
BEGINNING THE
5th OF EVERY MONTH



Save money to save yourself from regrets.

Opportunity to save if not taken advantage of never returns.

The longer you delay opening a savings account and every time you let a week's pay fade away without a deposit, the smaller your chances of security for adversity and old age.



PARK TRUST COMPANY

511 MAIN STREET

Worcester Wind Motor Co.

V. J. JOHNSON, Manager.



Manufacturers of
MOTORS AND PARTS OF ALL
KINDS FOR PLAYER PIANOS



WORCESTER, MASS.

OUT OF LUCK

"Is Mrs. Palmy at home?"

New Hired Man (answering bell)—
I'm sorry, ma'am, but the missus is taking a bath.

"I'm—sorry.

"Well, ma'am, it can't be helped.
You might come around every day for a year and never catch her at it again."

—Judge.



SOCKET WRENCHES

FOR

TRUCKS - PASSENGER CARS - TRACTORS
GENERAL MECHANICAL SERVICE

WALDEN - WORCESTER
INCORPORATED
WORCESTER, MASS.

SALES OFFICES

CHICAGO
452 MONADNOCK BUILDING

NEW YORK
295 BROADWAY

SAN FRANCISCO
487 MONADNOCK BUILDING

IN FATHER'S FOOTSTEPS

Mrs. Smith—Does the baby take after your husband?

Mrs. Jones—Yes, indeed. We have taken his bottle away from him, and the other day the little darling tried to creep down the cellar steps.

—*The Home Sector.*

Thomas D. Gard Co.

(Incorporated)



Designers and Makers of

Emblems

Fraternity Jewelry



Select Stock of

ARTISTIC JEWELRY



387-393 Main Street

WORCESTER, MASSACHUSETTS

Wickwire Spencer Steel Corp.

WORCESTER, MASS.

SUCCESSORS TO

Clinton-Wright Wire Company

Wickwire Steel Company

Spencer Wire Company

Clinton Wire Cloth Company

Wright Wire Company

Morgan Spring Company

National Manufacturing Company

Wickwire Steel

Spencer Wire

Clinton Cloth

Wright Rope

Morgan Springs

National Goods

HOW THEY DO RUN ON

Mrs. Gabble—"Henry, you were talking in your sleep last night."

Mr. G. (meekly)—"Pardon me, my dear, for interrupting you."

—Gargoyle.

◆ ◆ ◆

"Don't you think Dorothy Dalton has wonderful eyes?"

"Really I can't say. I've only seen her as 'Aphrodite'!"

—Jack o'Lantern.

Jack—"Marie, dear, anything you say goes."

Marie (quickly)—"Jack."

—Punch Bowl.

◆ ◆ ◆

Diner—"I would like a couple dollars' worth of food."

Waiter (sarcastically)—"You said a mouthful."

—Pitt Panther.

Shop and Factory Metal Equipment Outfitters



Bubbling Fountains



Battery Wash Bowls



Metal Lockers



Our Line Includes

Manufacturing Equipment and Engineering Company

136 FEDERAL STREET, BOSTON, MASS.

WORKS AND MAIN ADDRESS

FRAMINGHAM, MASS.

CABLE ADDRESS
"MAGNET"

LIEBER'S
CODE

O. S. WALKER CO.

SUCCESSORS TO

O. S. WALKER & CO. AND WALKER GRINDER CO.

Magnetic Chucks - Grinding Machines

WORCESTER, MASS.

Central Building
Company

♦ ♦ ♦

General Contractors

♦ ♦ ♦

58 Front Street
WORCESTER, MASS.

Doris—"Why do you say he is loud-mouthed?"

Gladys—"I have kissed him, my dear."

—Voo Doo.

Belting Needs The Judgment Of An Engineer

You cannot choose a belt for a machine in a haphazard way, any more than you can select an entire machine blindfolded.

To properly transmit power under particular conditions at a minimum expense calls for scientific knowledge rather than business shrewdness only.



The Graton & Knight Mfg. Co.

Oak Leather Tanners Leather Belt Makers Makers of Leather Specialties

WORCESTER, MASS.



The Coburn Giant Never Fails

He picks up timbers, as though they were toothpicks and carries them, without a grunt or a murmur, to the point where they are needed.

He also handles, with equal facility, castings in the foundry, hot iron to the moulding floor, pig iron to the cupola, finished goods to the freight car and everything that can be handled.

Photograph shows actual installation, handling lumber in a large manufacturing establishment with the added feature of a cable drive to pull the load.



Send for Catalog

The Coburn Trolley Track Mfg. Company

MAIN OFFICE AND WORKS: HOLYOKE, MASS.

WAREHOUSES: NEW YORK, BOSTON, CHICAGO, PHILADELPHIA

JAHN & OLLIER ENGRAVING COMPANY

*Designers and Engravers
of Highest Quality
ANNUALS*



Makers of
Illustrations, Designs
Photographs
Half-tones, Line and
Ben Day Zinc Etchings
Three and Four Color
Process Plates -
Acid Blast Quality

Main Office and Plant **CHICAGO** *Atlanta - Davenport - Kansas City*
554 W Adams Street *Milwaukee - South Bend - Toledo*

Painstaking
Printers
at
The Heffernan Press
Produce
Results
That
Satisfy

Specialists in
College Printing

16 Mechanic Street
Spencer, Massachusetts



